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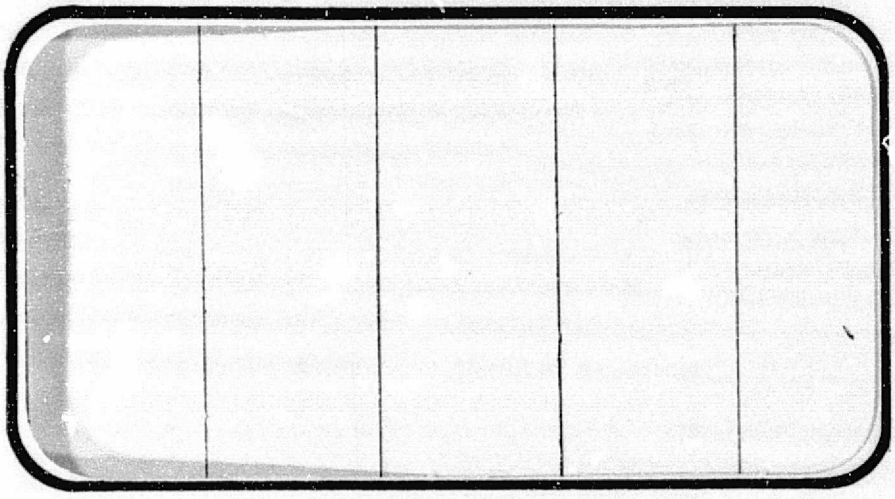
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(NASA-CR-147622) RESULTS OF TEST IA137 IN THE NASA/ARC 14 FOOT TRANSONIC WIND TUNNEL OF THE 0.07 SCALE EXTERNAL TANK FOREBODY (MODEL 68-T) TO DETERMINE AUXILIARY AERODYNAMIC DATA SYSTEM FEASIBILITY

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

August, 1976

DMS-DR-2316
NASA CR-147,622

RESULTS OF TEST IA137 IN THE NASA/ARC 14 FOOT TRANSONIC WIND TUNNEL OF THE 0.07 SCALE EXTERNAL TANK FOREBODY (MODEL 68-T) TO DETERMINE AUXILIARY AERODYNAMIC DATA SYSTEM FEASIBILITY

by

D. E. Thornton
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Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	ARC14-143-1-14
NASA Series Number:	IA137
Model Number:	68-T
Test Dates:	April 26 through May 3, 1976
Occupancy Hours:	56

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by

D. E. Thornton, Rockwell International

ABSTRACT

Tests were conducted in the NASA Ames Research Center 14-foot Transonic Wind Tunnel from April 26, 1976, to May 3, 1976, to examine the feasibility of the auxiliary aerodynamic data system (AADS) for determining angles of attack and sideslip during boost flight. The model used was a .0.07 scale replica of the external tank forebody consisting of the nose portion and a 60 inch (full scale) cylindrical section aft of the ogive-cylinder tangency point. The model terminated in a blunt base with a 320.0 inch diameter at ET station 1120.37.

Pressure data were obtained from five pressure orifices (one total and four statics) on the nose probe, and sixteen surface static pressure orifices along the ET forebody.

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PLOTTED COEFFICIENTS SCHEDULE:

A	CPTB, CPSL, CPSU, CPSB, CPSR versus ALPHA
B	CPTB, CPSL, CPSU, CPSB, CPSR versus BETA
C	CPTB, CPSL, CPSU, CPSB, CPSR versus ALPHA BETA versus ALPHA
D	CP versus XT/L

NOMENCLATURE

Plot Symbol	Mnemonic	Definition
a		speed of sound, ft/sec
C_{P_B}	CPSB	pressure coefficient of lower surface of nose probe
C_{p_i}	CPi	pressure coefficient at station i, see instrumentation section and Table IV for locations, $(P_i - P_\infty)/q$
C_{P_L}	CPSL	pressure coefficient of left side of nose probe
C_{P_R}	CPSR	pressure coefficient of right side of nose probe
$C_{P_{TB}}$	CPTB	total pressure coefficient measured at nose probe tip
C_{P_U}	CPSU	pressure coefficient of upper surface of nose probe
i		index indicating pressure tap station
ℓ	L	reference length, tank body length, in.
M	MACH	Mach no., V/a
P	P	pressure, psia
P_i	Pi	pressure measured at station i, see instrumentation section and Table IV for locations, psia
P_o	PO	stagnation pressure of tunnel, mm Hg.
P_t	PT	freestream total pressure, psia
P_∞	P	freestream static pressure, psia
q	Q(PSF)	freestream dynamic pressure, psf

NOMENCLATURE (Concluded)

Plot Symbol	Mnemonic	Definition
RN/ℓ	RN/L	unit Reynolds no., million per foot
V	V	velocity, ft/sec
X	X	longitudinal coordinate, in.
X_T	XT	tank longitudinal station, inches
X_T/ℓ	XT/L	nondimensional longitudinal coordinate
Y_T	YT	tank lateral station, inches
Z_T	ZT	tank vertical station, inches
α	ALPHA	angle of attack, deg.
β	BETA	angle of sideslip, deg.
ϕ	PHI	roll angle, deg.

CONFIGURATIONS INVESTIGATED

Three configurations, shown in Figure 3, were tested: 1) a full 331 inch diameter forebody. 2) an 80% (264.8 in.) of full diameter forebody, and 3) the biconic nose probe. The model was designed so that an outer, full diameter, sleeve could be removed to make the 80% diameter configuration. The 80% diameter configuration shell could also be removed, leaving the biconic section as shown in Figure 2b.

The model angle of attack was varied while the model was in the 0° roll position, and the model angle of sideslip was varied when the model was rolled 90°. The biconic probe configuration was also tested in the 45° roll position to determine effects of a combination of α and β.

INSTRUMENTATION

The model was sting mounted on a dummy balance and no force measurements were made. An Ames Research Center pendulum type angle transducer was used to determine model attitude angle in the vertical plane only.

All pressures were measured on a Type S Scanivalve with a single 10 psid pressure transducer. When the 100% configuration was tested, all pressures were measured. When the outer shell was removed to produce the 80% configuration, surface static orifices P11 through P16, located on the shell, were removed. Similarly, when the biconic alone configuration was tested, surface static taps P6 through P10 were eliminated.

The pressures were located as summarized below:

Rockwell Designation	Ames Designation	Description
PTB	P1	total pressure measured at nose probe tip
PSU	P2	static pressure measured on upper surface of nose probe
PSB	P3	static pressure measured on lower surface of nose probe
PSL	P4	static pressure measured on left side of nose probe
PSR	P5	static pressure measured on right side of nose probe
P1 thru P16	P6 thru P21	static pressures measured along a ray 30 degrees off tank bottom centerline at stations described in Table IV.

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TEST FACILITY DESCRIPTION

The Ames 14-Foot Transonic Wind Tunnel was created by extensive modification of the former Ames 16-Foot High Speed Wind Tunnel. It has an adjustable, flexible-wall nozzle and the test section is slotted on all four sides to permit transonic testing. The air circuit is closed except for the air exchanger, in a low-speed section of the circuit, which is controlled to maintain the air temperature within suitable limits.

The air is driven by a three-stage, axial-flow compressor powered by three electric motors mounted in tandem outside the wind tunnel. The drive system is rated 110,000 horsepower continuously or 132,000 horsepower for one hour. The speed of the motors is continuously variable over the operating range.

Performance:	
Mach number	0.6 to 1.2, continuously variable
Pressure, stagnation, atm	1.0
Reynolds number, per ft	2.8×10^6 to 4.2×10^6
Temperature, stagnation	Controllable over limited range by throttling the air exchanger. Generally about 640°R to avoid condensation of moisture in the test section
Dimensions:	
Test section height, ft	13.50
Test section width, ft	13.71 at upstream end 13.92 at downstream end
Test section length, ft	33.75

DATA REDUCTION

Pressure data were reduced to coefficient form. Pressure coefficients are plotted versus α, β, and X_T/ℓ in the data figures and are tabulated in the Appendix.

TABLE I.

TEST. : IA137 DATE : 4/26-5/3/76

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (feet) x 10^{-6}	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.55	3.1	2.53	100°
0.70	3.7	3.64	↓
0.80	3.9	4.32	
0.90	4.2	4.93	
0.95	4.3	5.20	
1.05	4.4	5.65	
1.11	4.4	5.83	
1.15	4.5	5.99	

BALANCE UTILIZED: None - Model Instrumented to Measure Pressures

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF			
SF			
AF			
PM			
RM			
YM			

COMMENTS:

TABLE II.

TEST : AEDC-VKF-A (IA137) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : POST TEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Φ	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.55	0.7	0.8	0.9	0.95	1.05	1.1	1.15	TEST RUN NUMBERS
RNY001	TANK(T36), 331 IN.	A	0	0		1	2	7	6	5	4	3		
02	TANK(T36), 264.8 IN.			0		21	22	23	24	27	26	25		
03	↓			0		28								
04	T36 BICONICAL PROBE ALONE	↓	↓	0		29	35	34	30	31		33	32	
05	TANK(T36), 331 IN.	0	A	90		8	9	14	13	12	11	10		
06	TANK(T36), 264.8 IN.	0	A	90		15	16	20	19	18		17		
↓ 07	↓	B	B	45		36	43	42	37	38	39	40	41	

CPTB | CPSB | CPSU | CPSL | CPSR | BETA | MACH | ALPHA

TYPE OF DATA α OR β SCHEDULES

COEFFICIENT SCHEDULES

A = -8, -6, -4, -3, -2, -1, 0, 1, 2, 3, 4, 6, 8 DEG.

Φ ~ MODEL ROLL ANGLE IN TUNNEL.

IDVAR(1) IDVAR(2) NDV

B = -6, -4, -3, -2, -1, -0.5, 0, 0.5, 1, 2, 3, 4, 6 DEG.

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: T_{36}

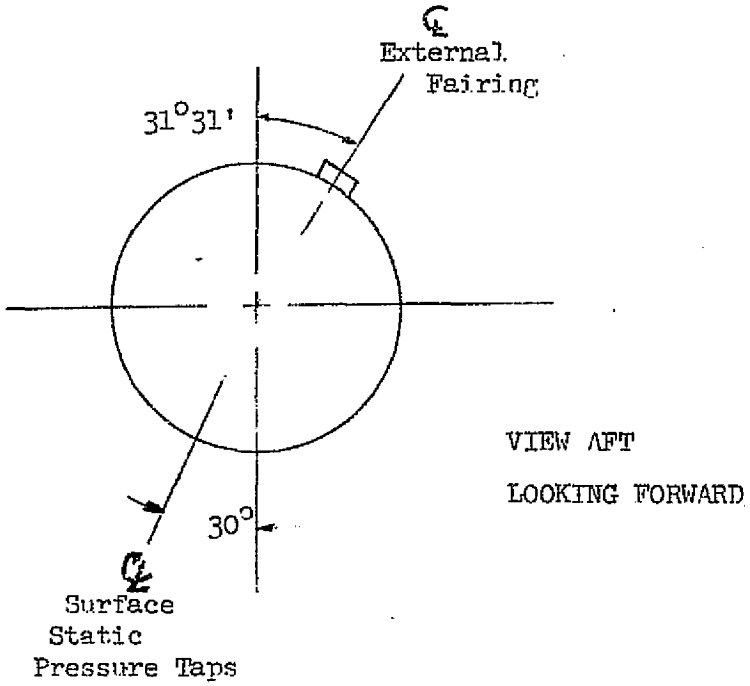
GENERAL DESCRIPTION: Forebody model with removable parts to simulate three (3) different portions of the external tank. Maximum tank diameters of 331 inches, 264.8 inches and 55.7 inches are simulated with the model as described below and shown in Figure 2b.

MODEL SCALE: .07 REFERENCE DRAWING: SD76-SH-0080

DIMENSIONS:	FULL SCALE (Inches)	MODEL SCALE (Inches)
331 inch diameter model: Simulates tank up to its maximum diameter and is slightly boat-tailed aft of that point. Trailing edge of model is at X_T = 78.426 inches model scale		
Length	797.87	55.851
Max. diameter	331.0	23.17
264.8 inch diameter model: Simulates tank up to a diameter of 264.8 inches (X_T = 559.8) and fairs into cylindrical shape aft of that station		
Length		
Tank simulation	237.31	16.612
Total model	797.87	55.851
Max. diameter	266.40	18.648
Biconic probe model Simulates probe and nose cone with cylindrical afterbody		
Length		
Tank simulation	48.50	3.395
Total model	572.64	40.085
Max. diameter		
Tank simulation	55.70	3.899
Total model	100.00	7.000

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TABLE IV. SURFACE STATIC PRESSURE TAP LOCATIONS



TAP NO.	X_T (Inches)		X_T/ℓ
	FULL SCALE	.07 SCALE	
1	340.26	23.818	0.00960
2	342.26	23.958	0.01068
3	350.00	24.500	0.01486
4	363.00	25.410	0.02189
5	370.00	25.900	0.02567
6	372.00	26.040	0.02675
7	403.00	28.210	0.04350
8	448.00	31.360	0.06782
9	503.428	35.240	0.09777
10	558.843	39.119	0.12771
11	560.843	39.259	0.12879
12	624.428	43.710	0.16315
13	688.00	48.160	0.19750
14	718.00	50.260	0.21371
15	758.00	53.060	0.23533
16	808.00	56.560	0.26235

$X_T/\ell = 0$ at $X_T = 322.5$
$\ell = 1850.6$ inches

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

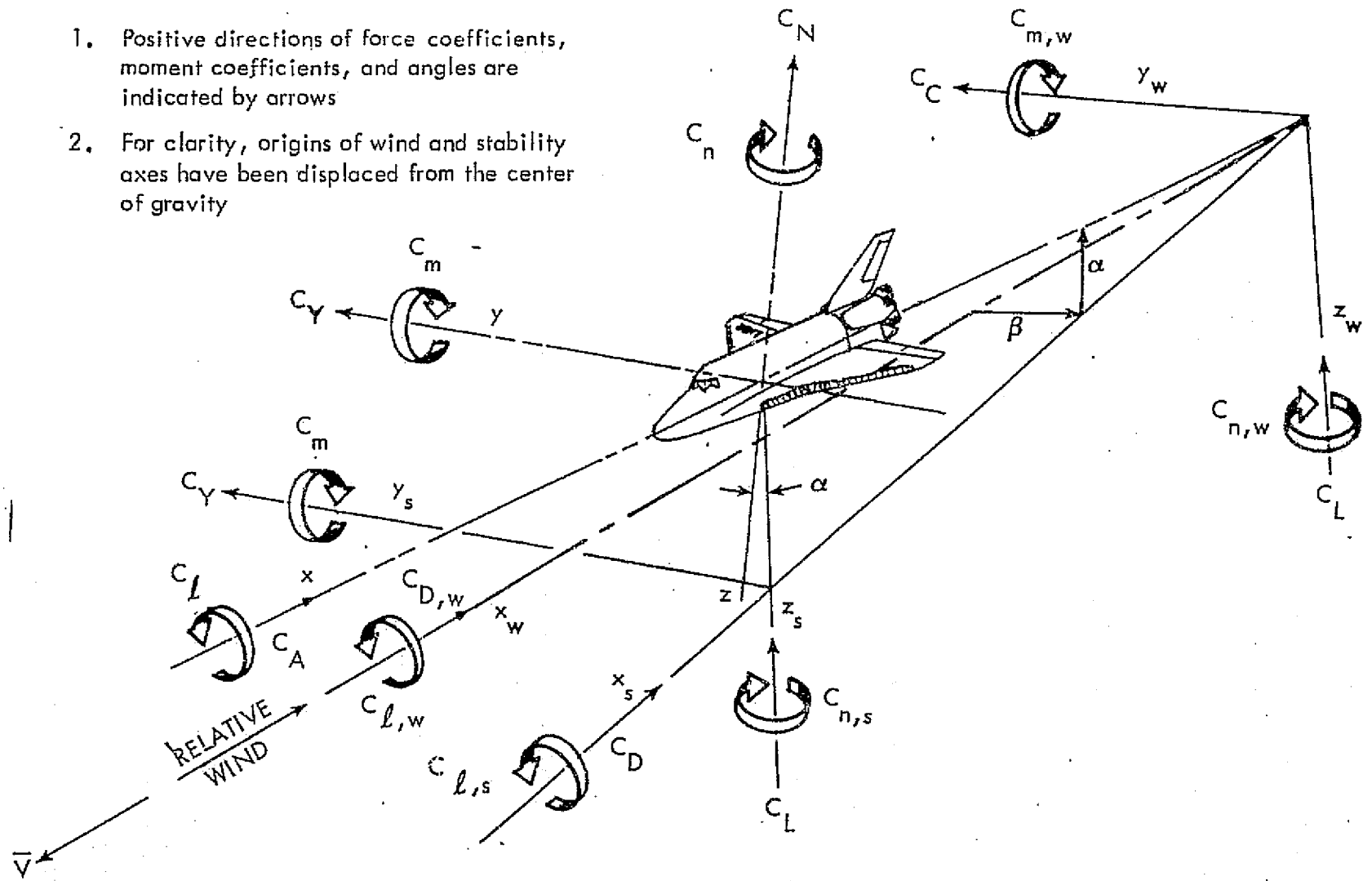
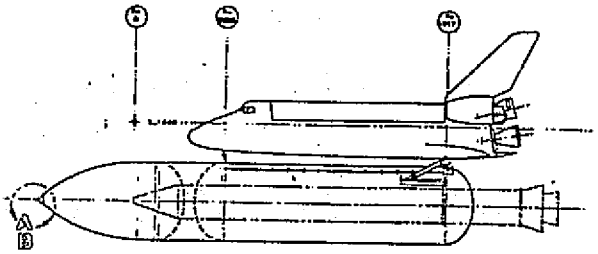
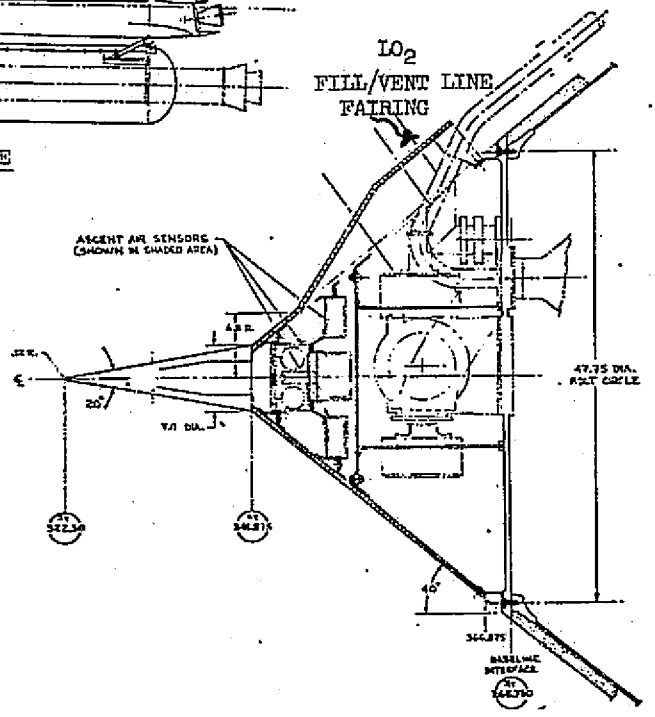


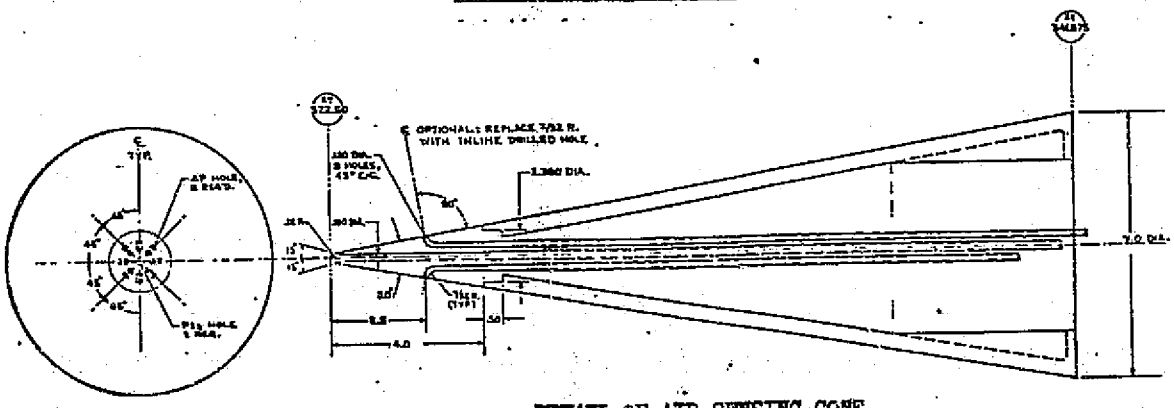
Figure 1. Axis systems.



INTEGRATED VEHICLE



DETAIL OF BICONIC NOSE

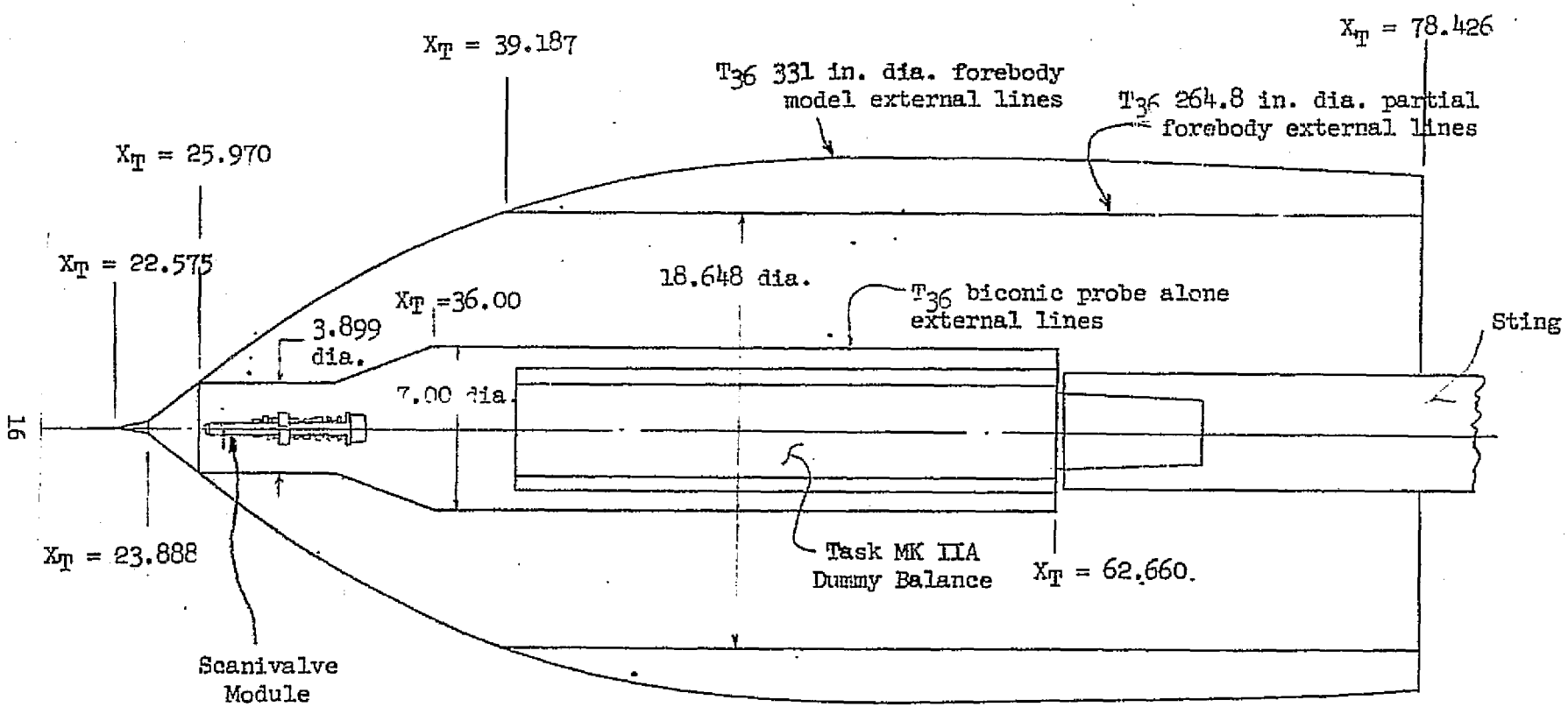


DETAIL OF AIR SENSING CONE

a. External Tank Nose and Probe Details

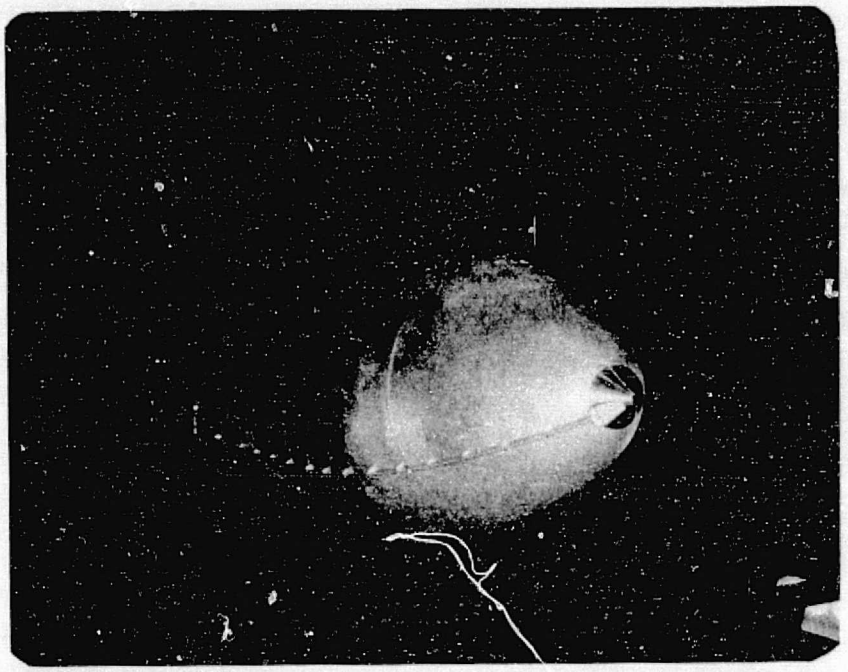
Figure 2. Model sketches.

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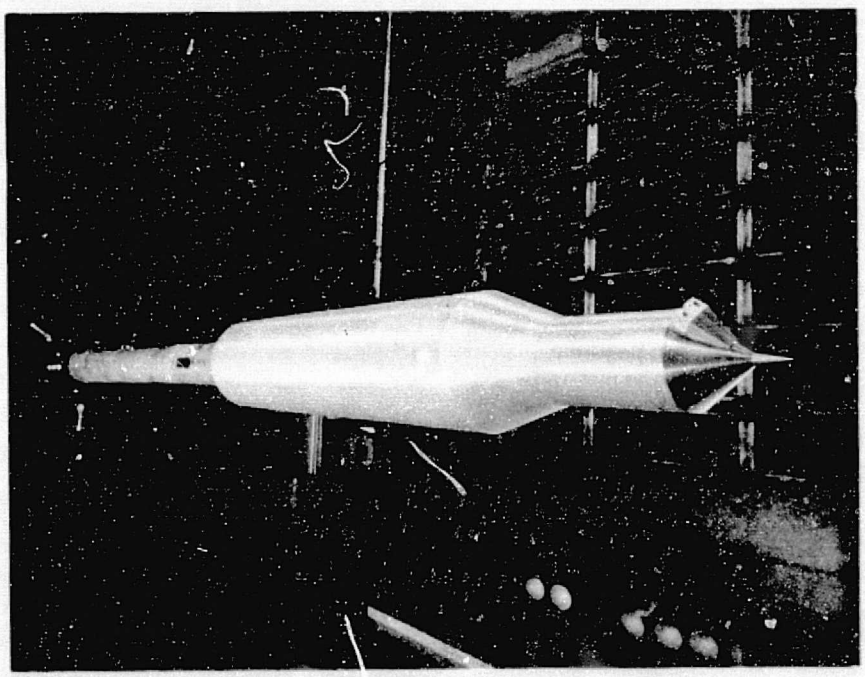


SKETCH DIMENSIONS IN INCHES MODEL SCALE

b. Model Assembly Showing the Various Forebody Shapes that were Tested
Figure 2. Concluded.



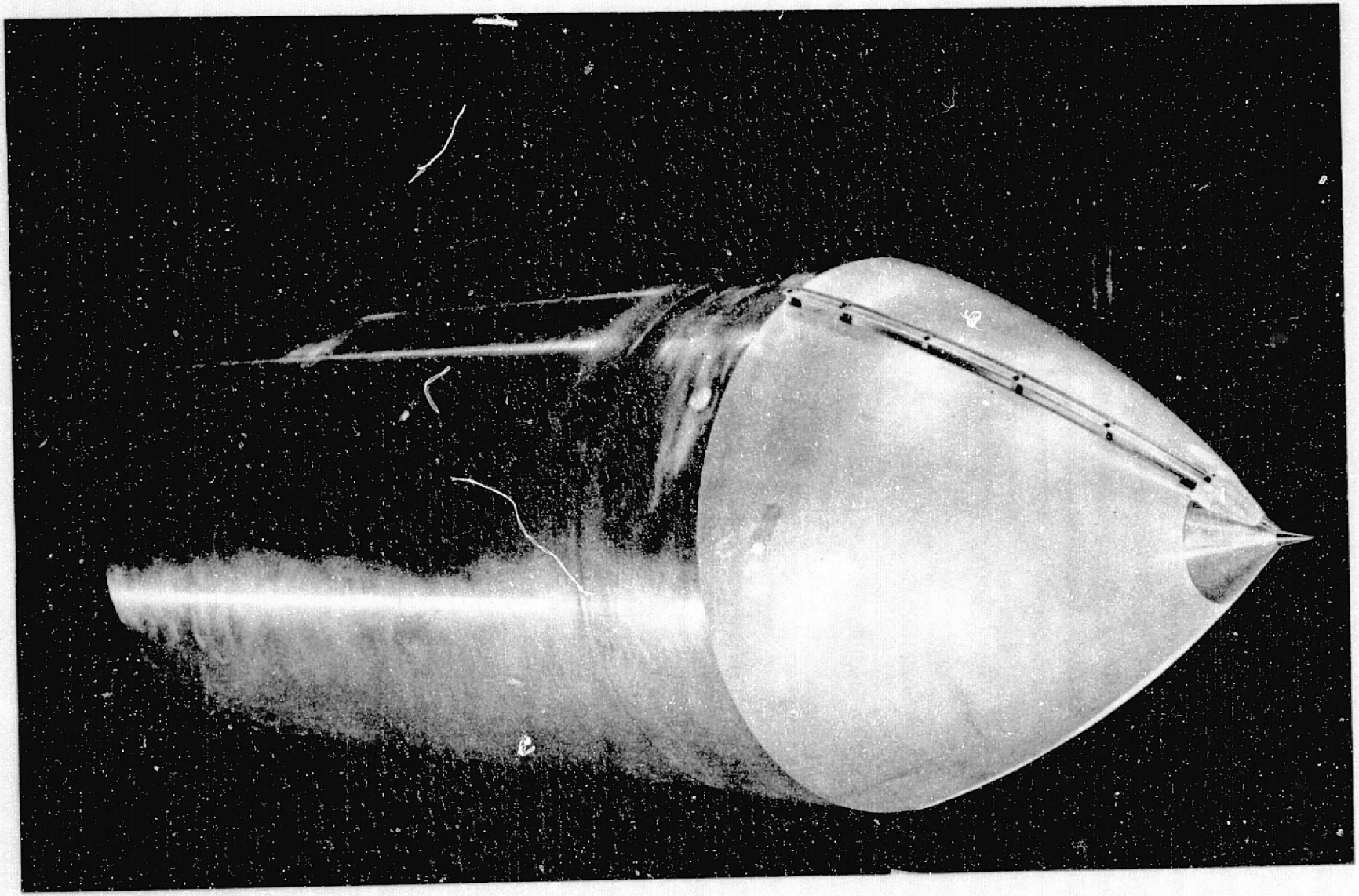
a. 331-inch Diameter Forebody Model



b. Biconic Probe Alone Model

Figure 3. Model Photographs.

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c. 264.8-inch Diameter Forebody Model

Figure 3. Concluded.

DATA FIGURES

(RNY001) ARC14-143-1([A137) TANK(T36),331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇	CPTB	MACH	.551	PHI	.000
	CPSU				
	CPSB				

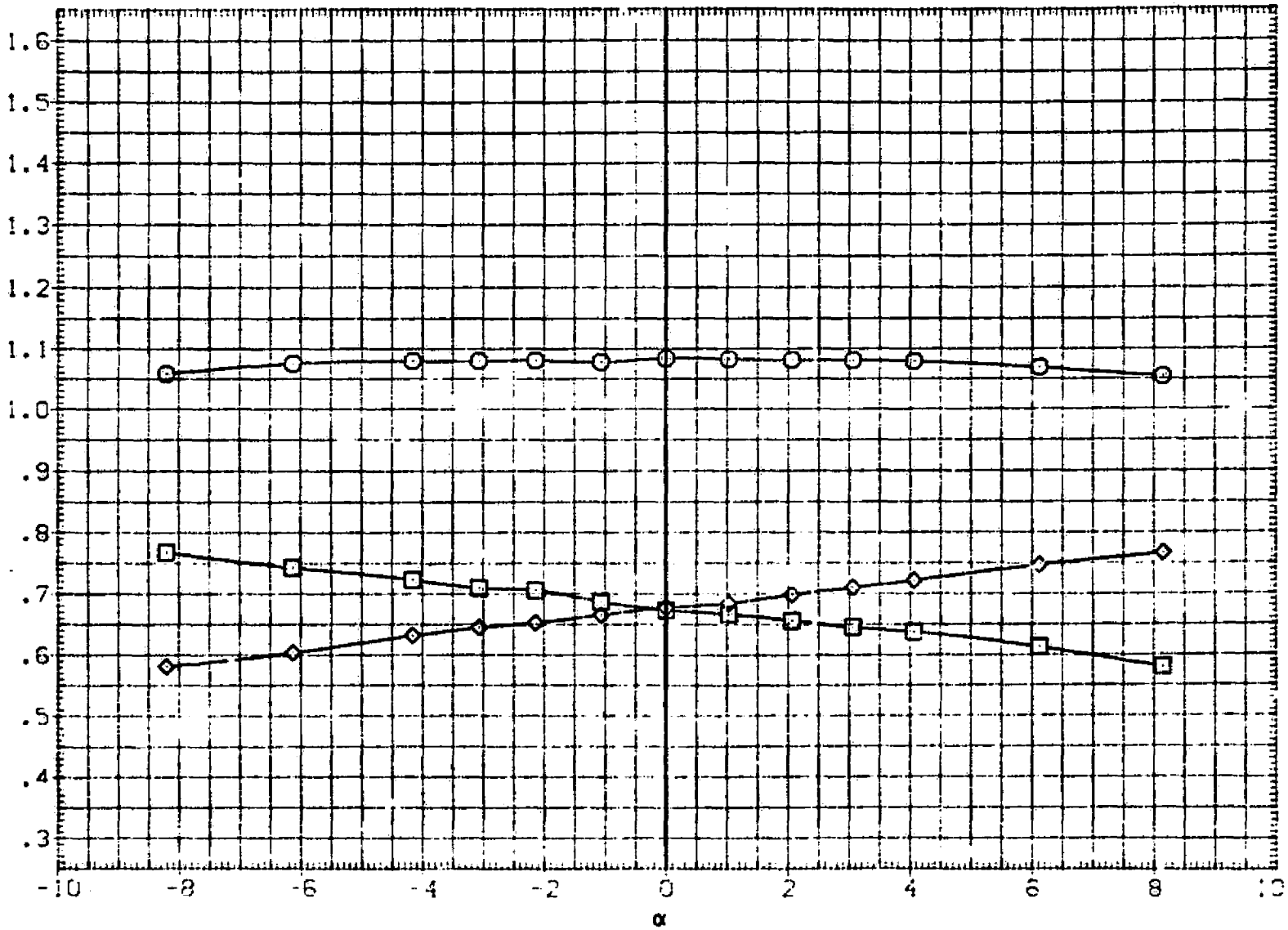


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
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◇	CPSU				
	CPSB				

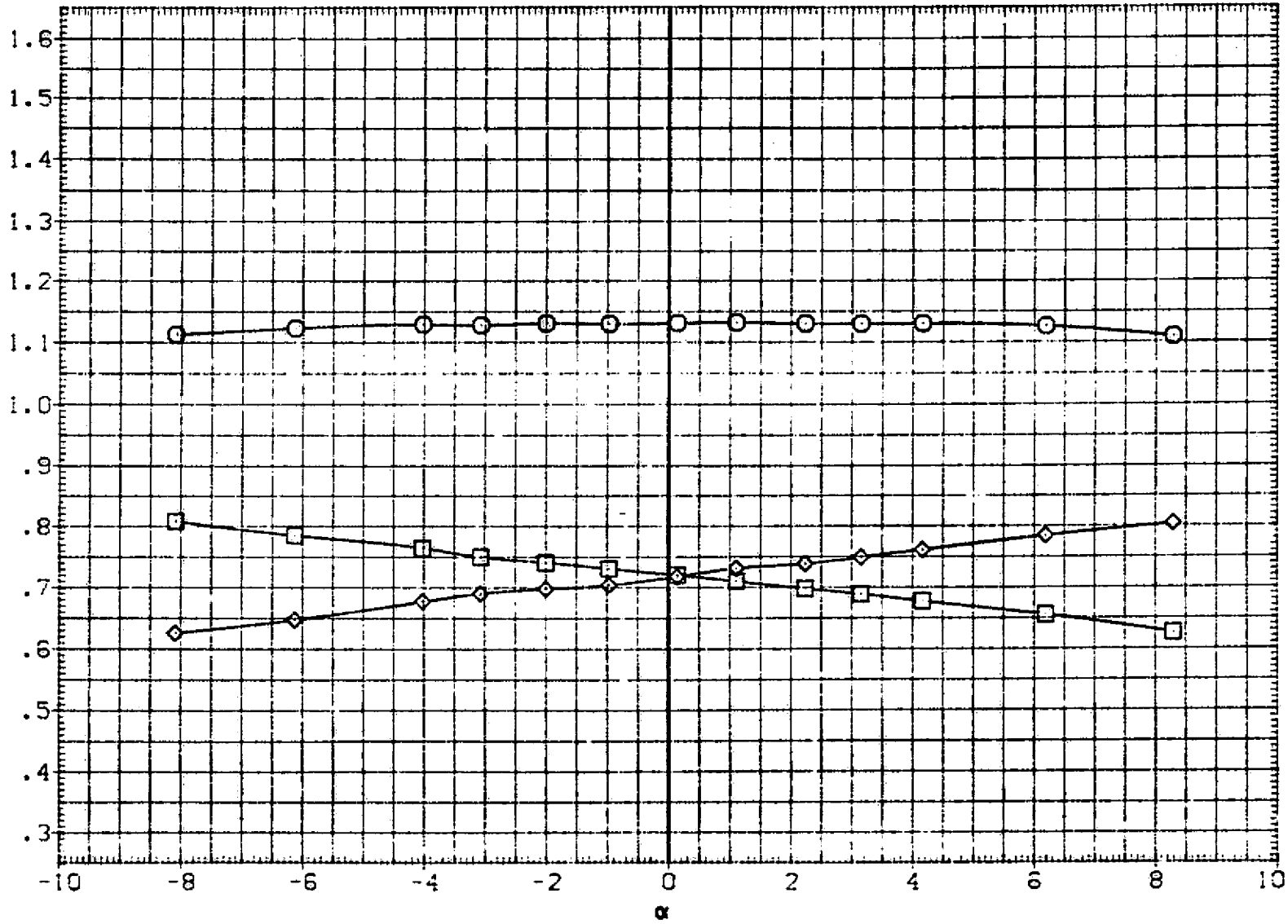


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

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□	CPSU				
◇	CPSB				

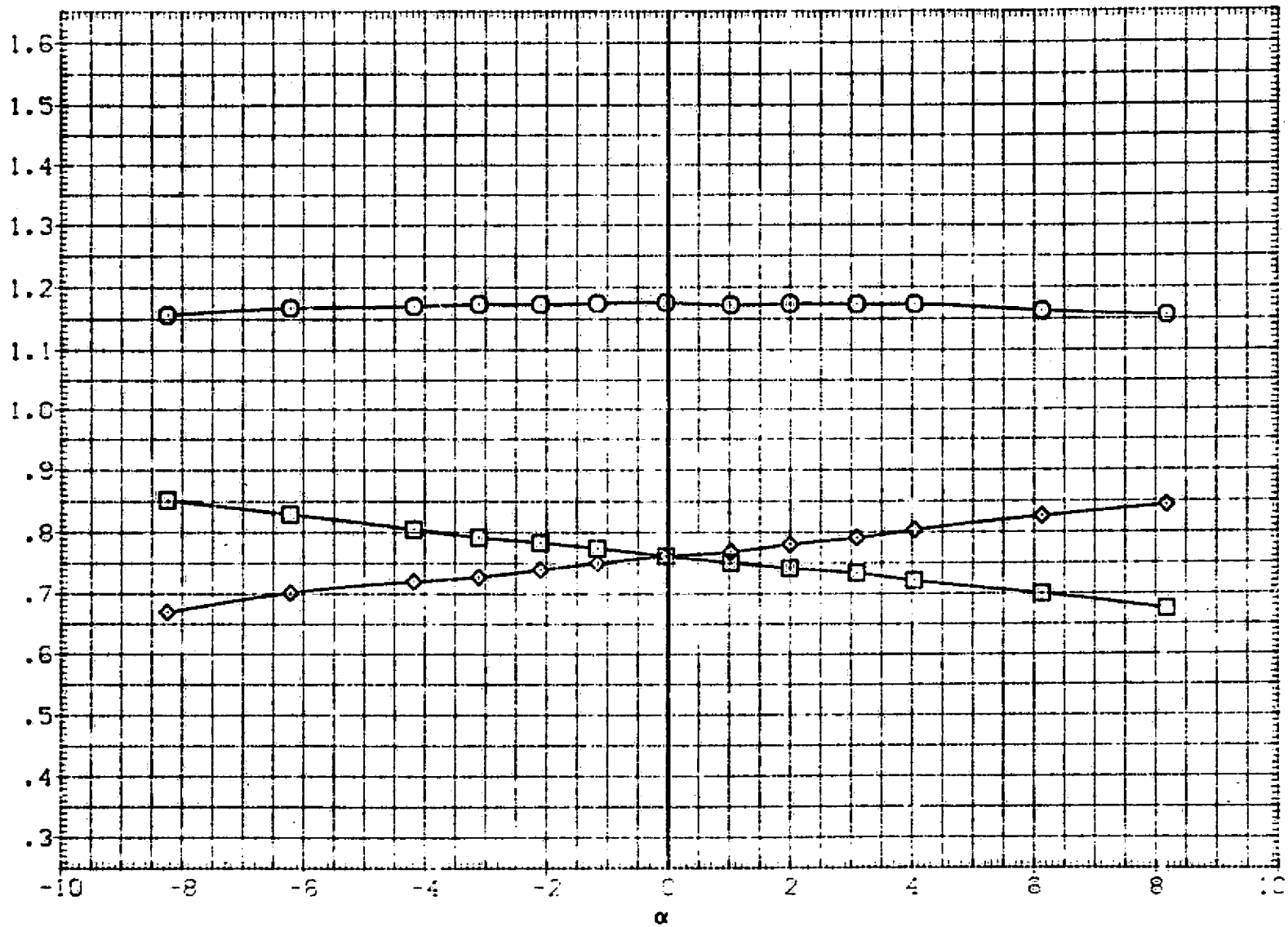


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
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◇	CPSU				
	CPSB				

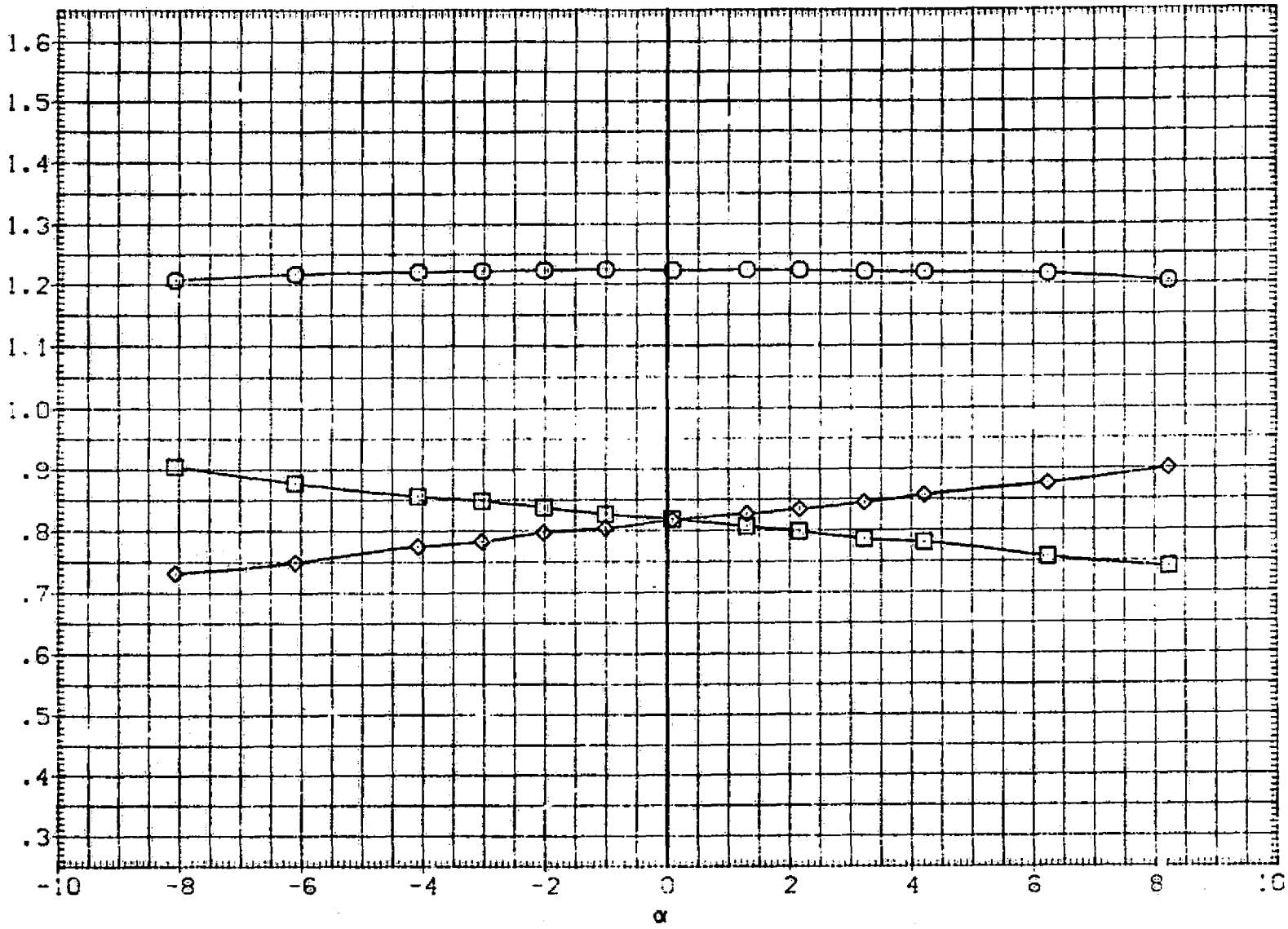


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY001) ARC14-143 1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇□	CP1B	MACH	.950	PHI	.000
	CPSU				
	CPSB				

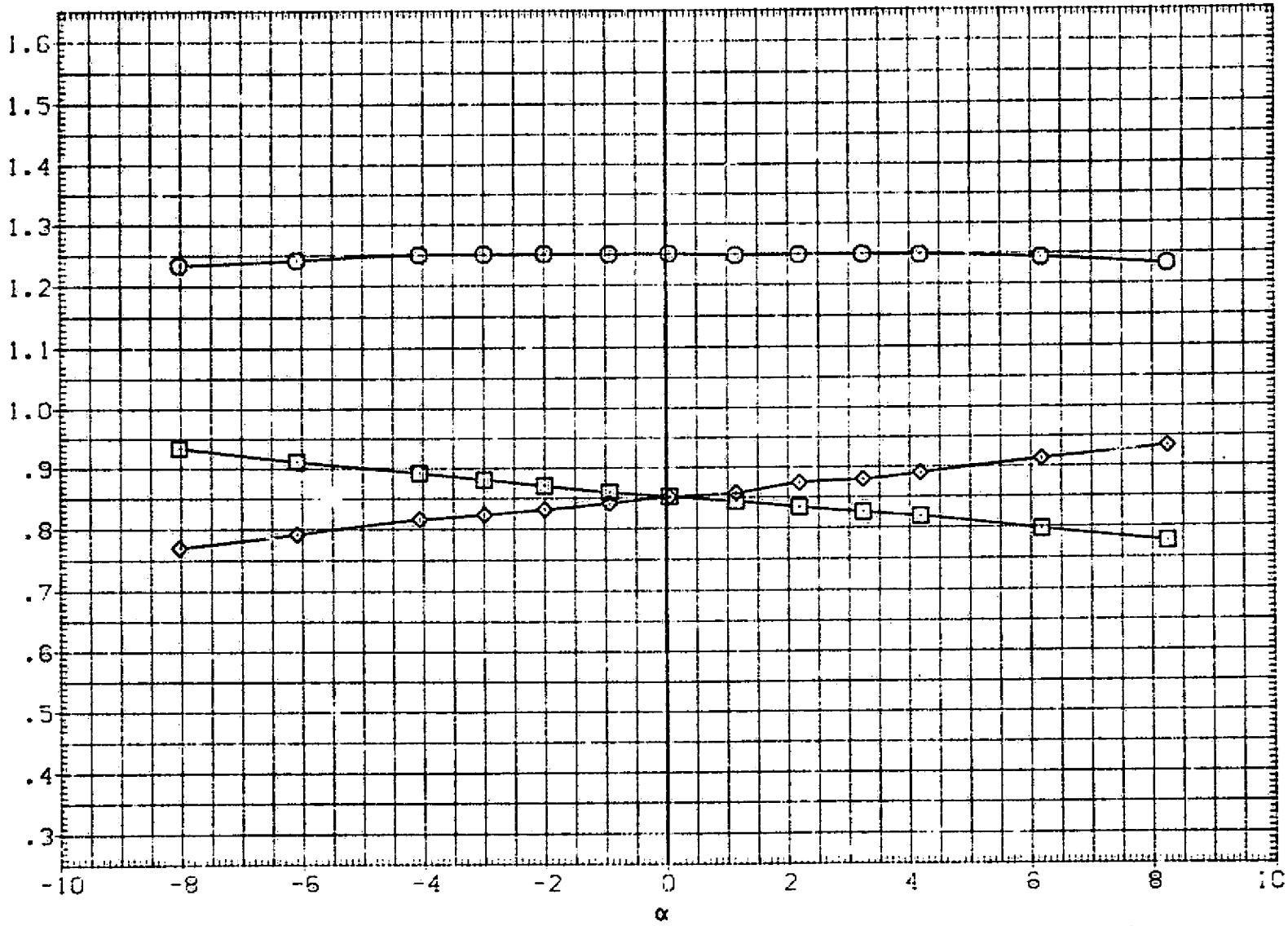


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36),331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
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◇	CPSU				
□	CPSB				

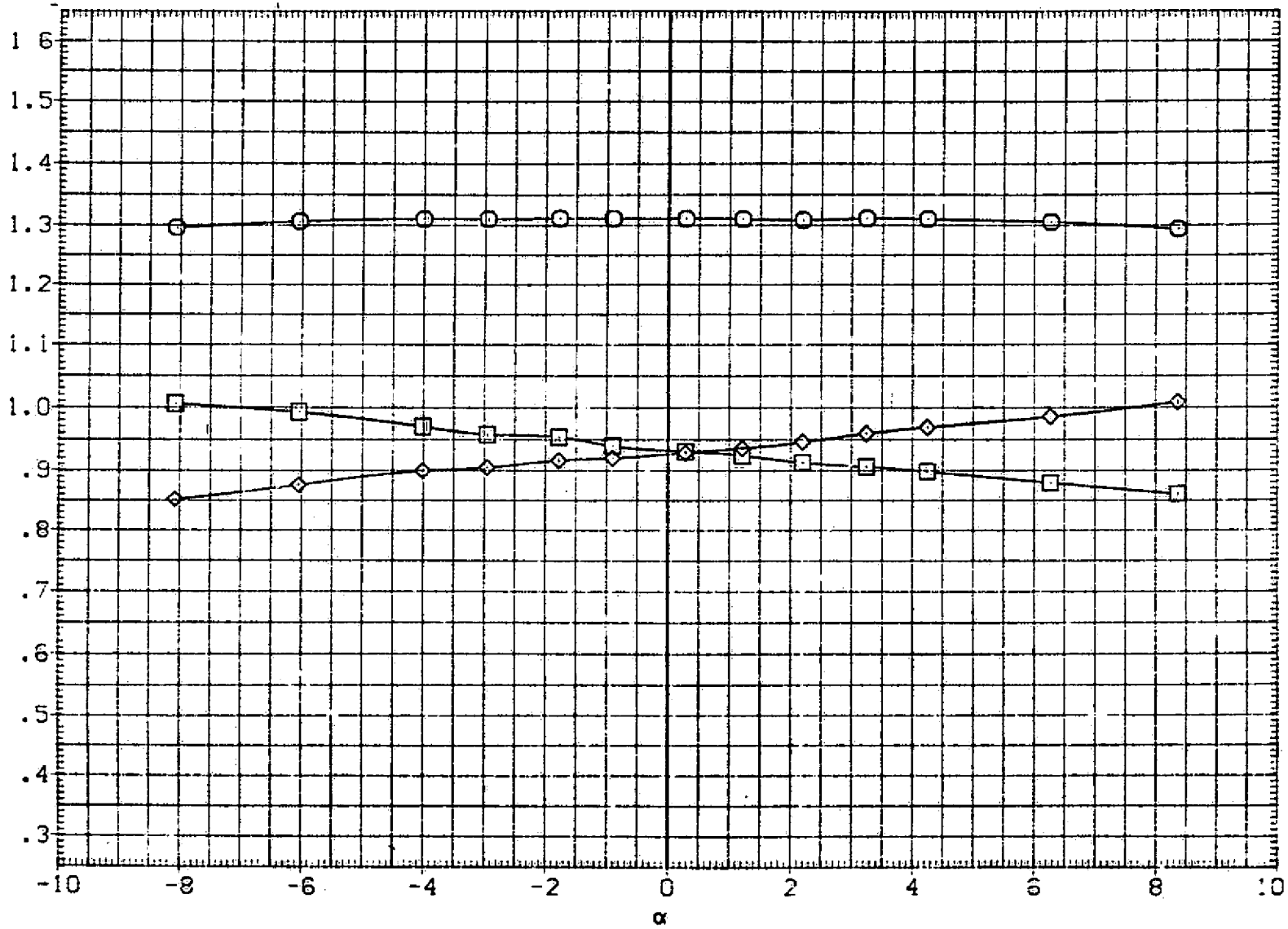


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
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□	CPSU				
◇	CPSB				

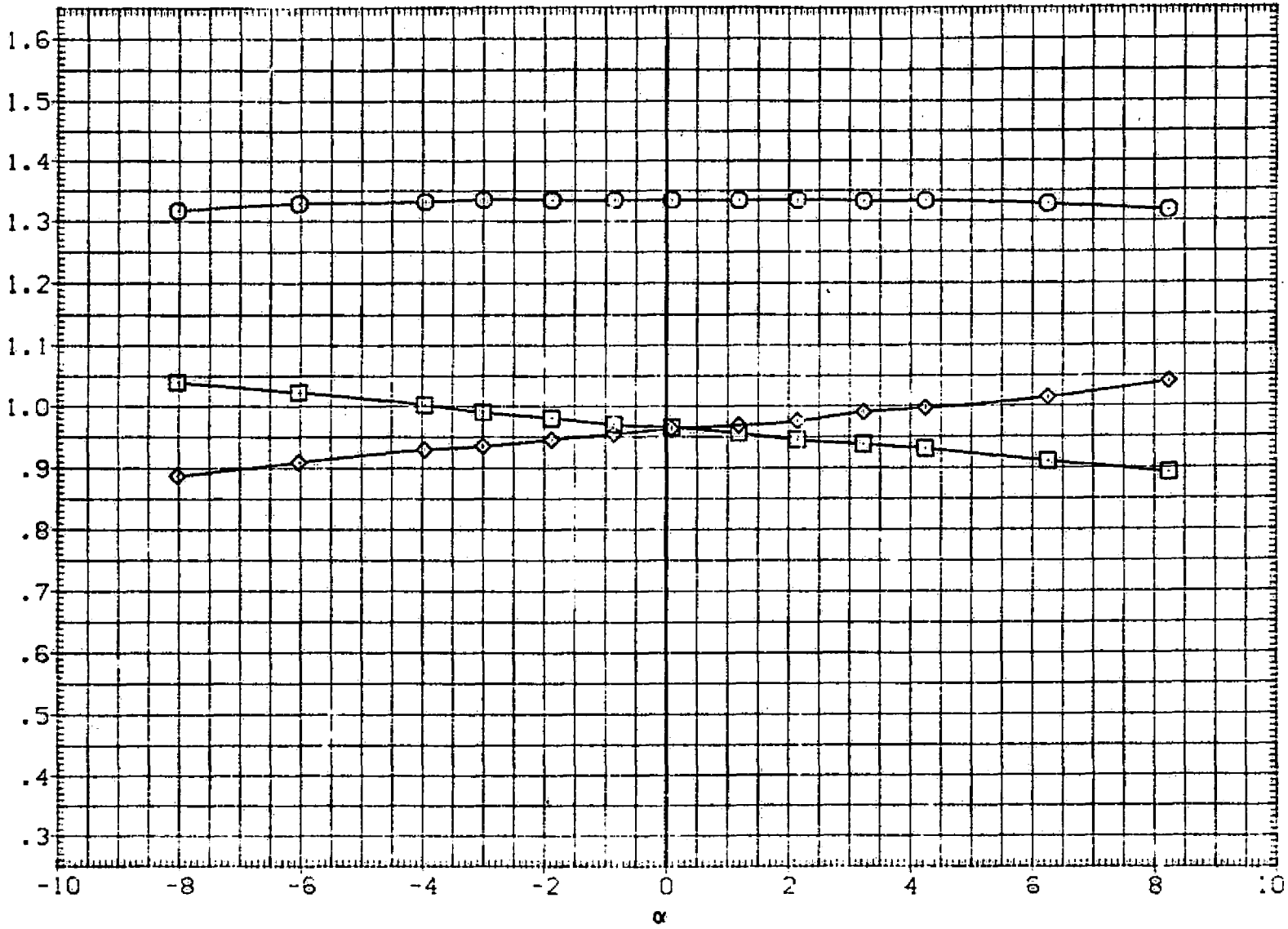


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.551	PHI	.000
□	CPSR				

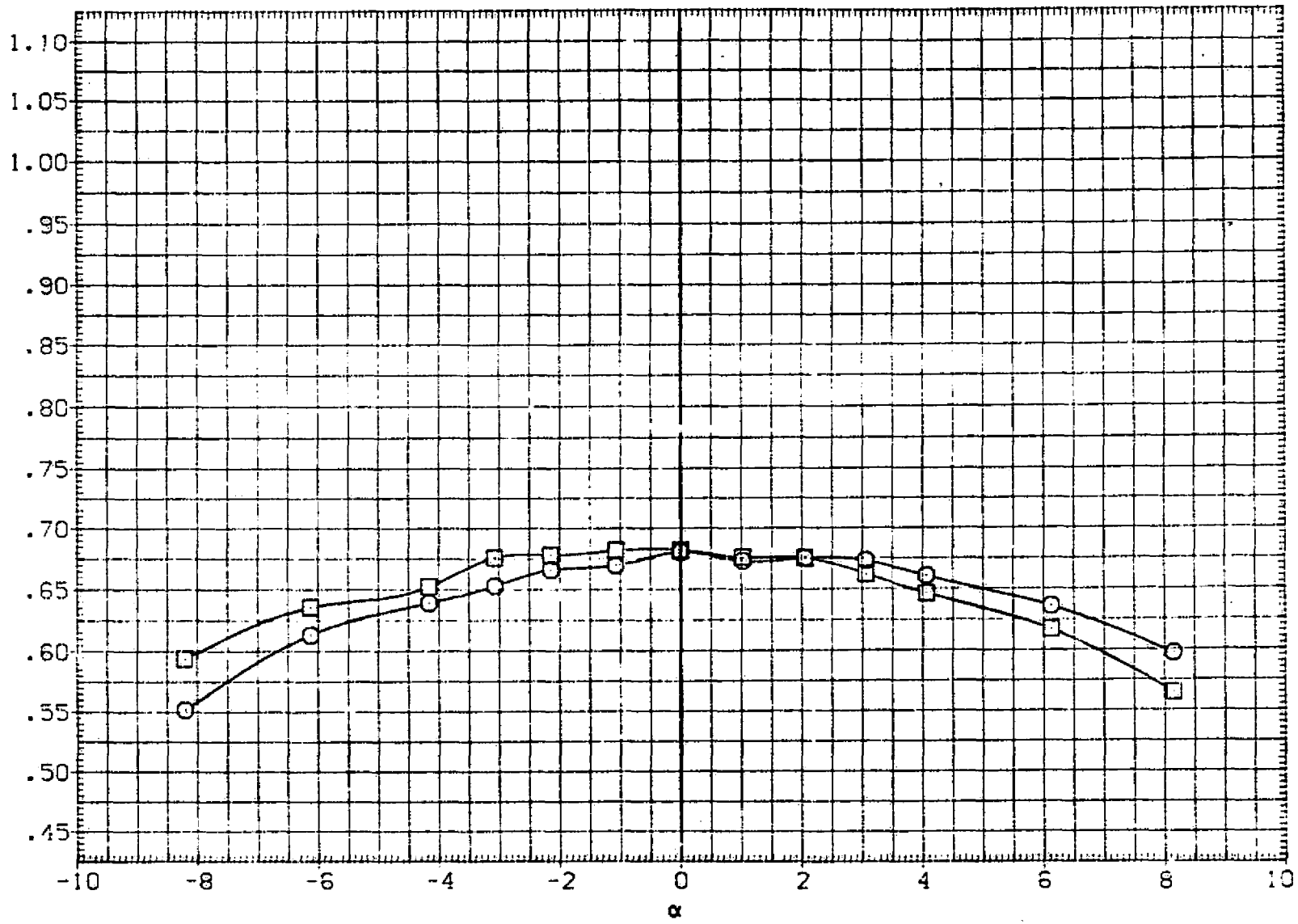


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.699	PHI	.000
□	CPSR				

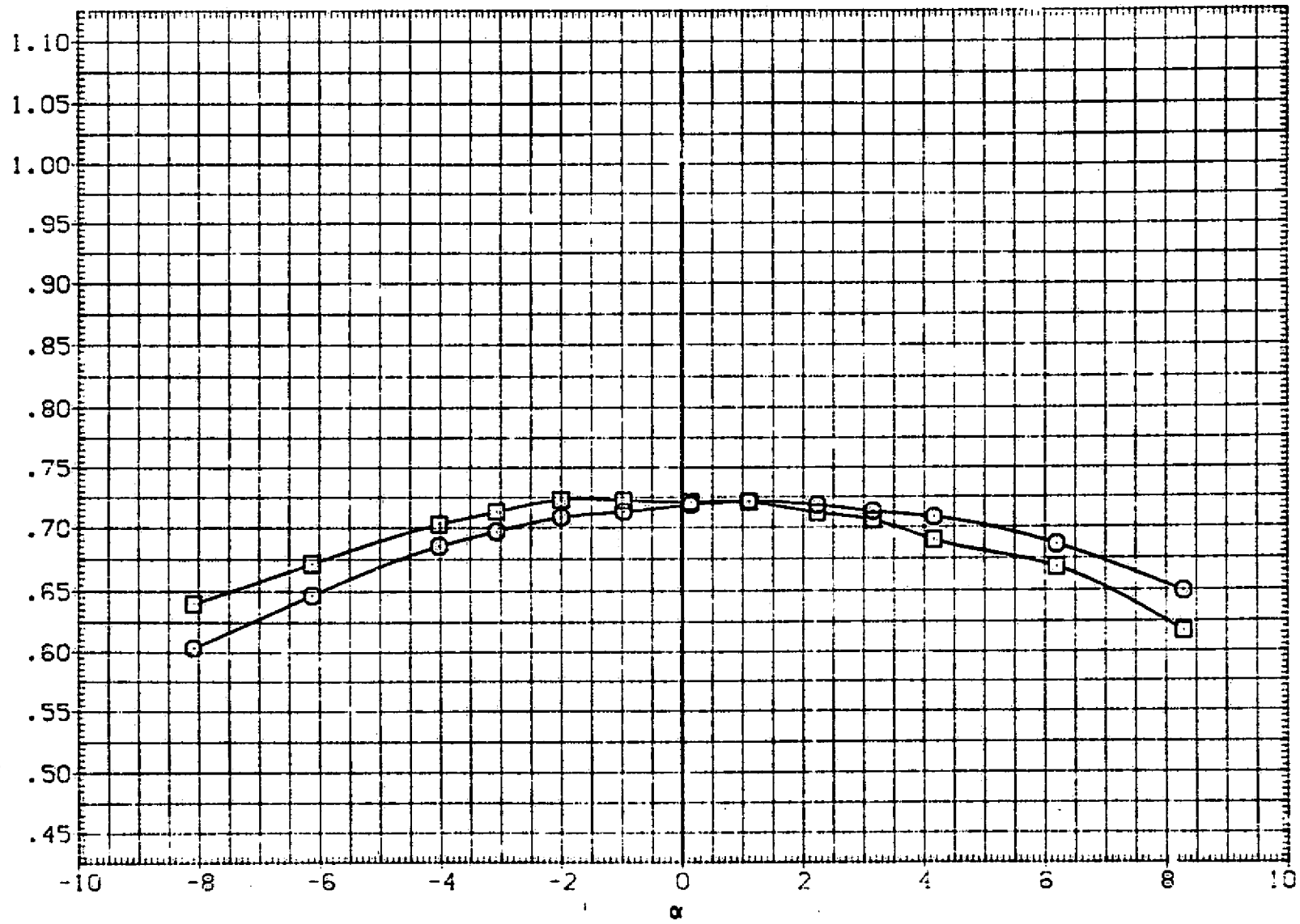


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.802	PHI	.000
□	CPSR				

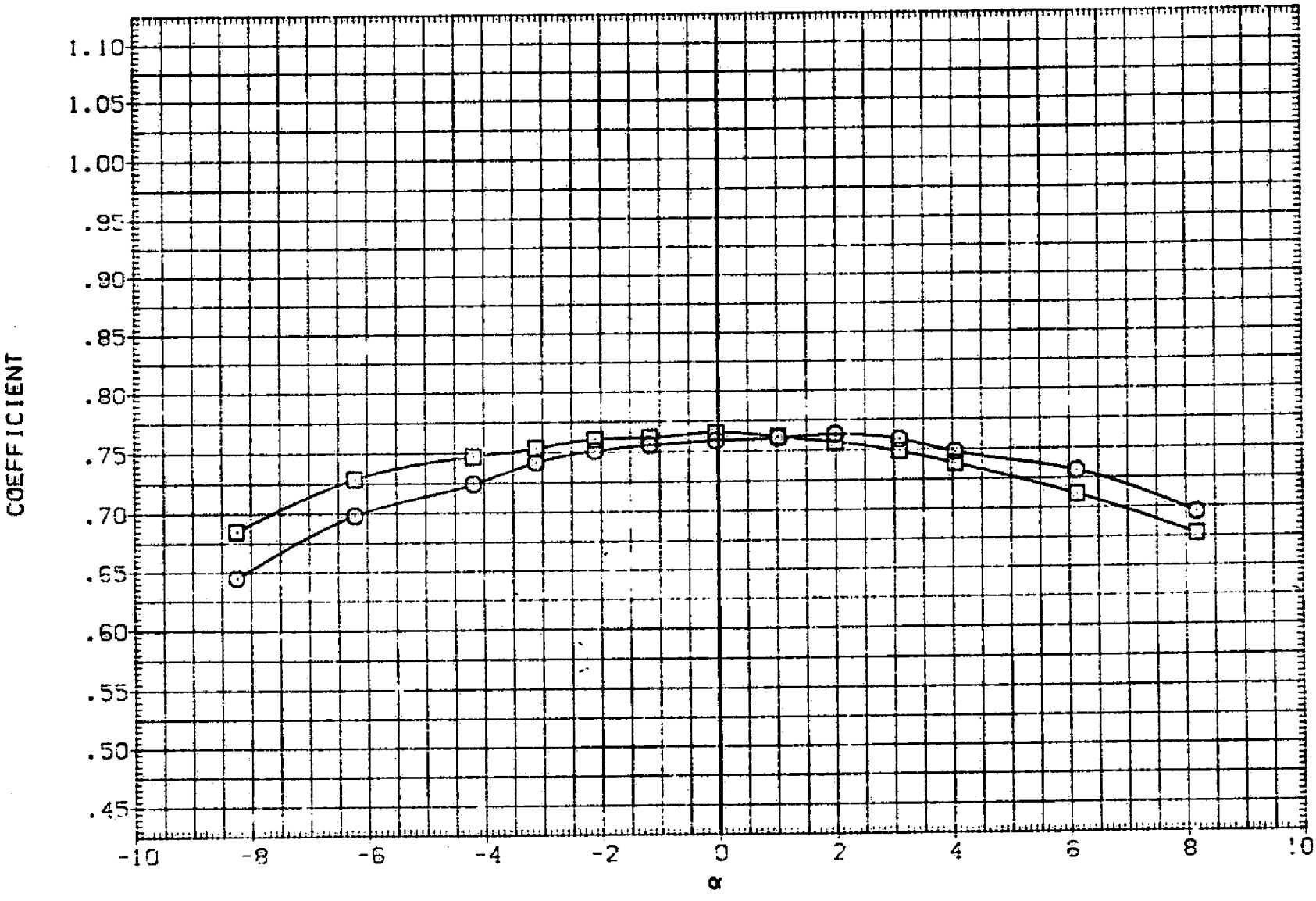


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	.902	PHI	.000
□	CPSR				

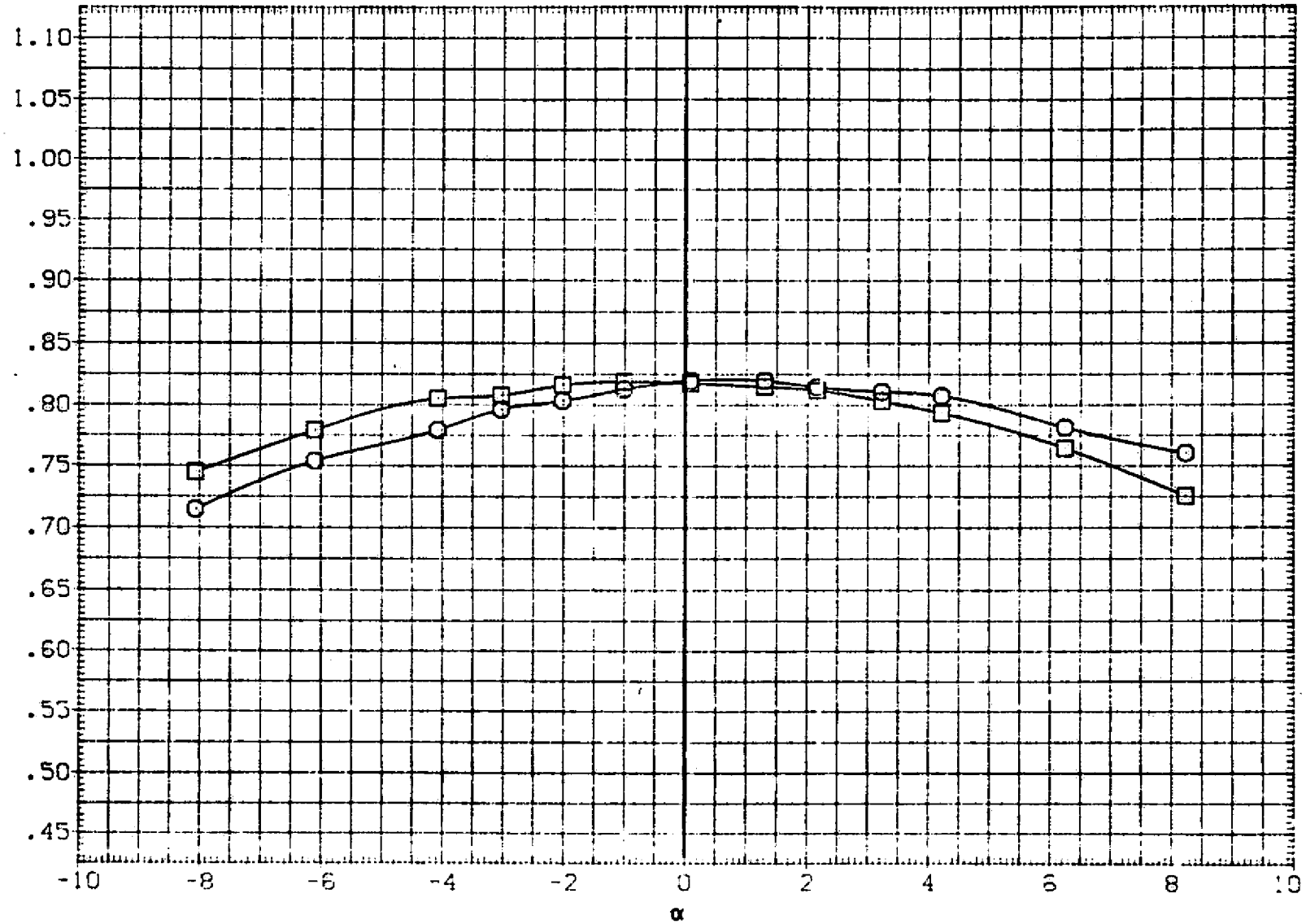


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.950	PHI	.000
□	CPSR				

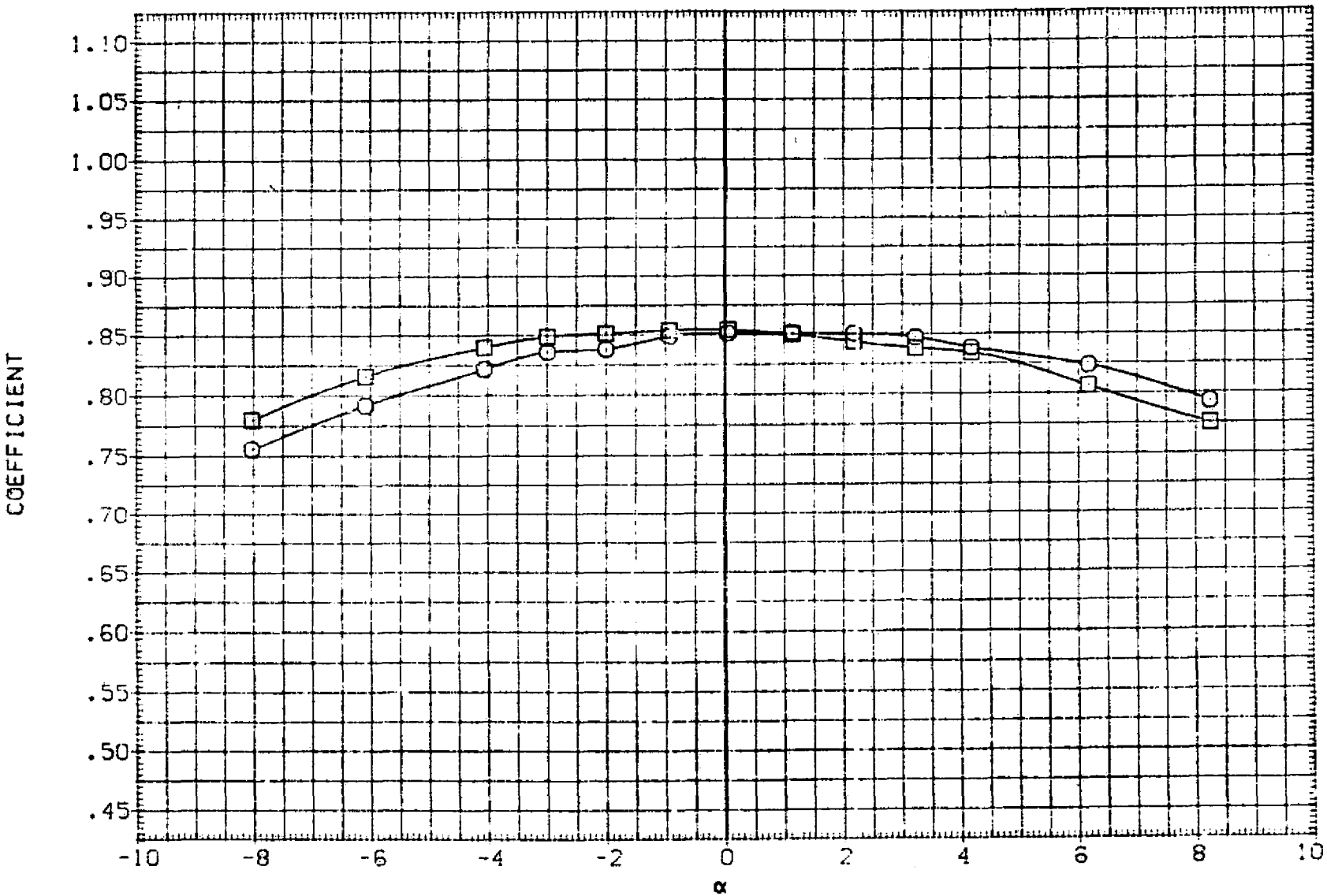


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	1.051	PHI	.000
□	CPSR				

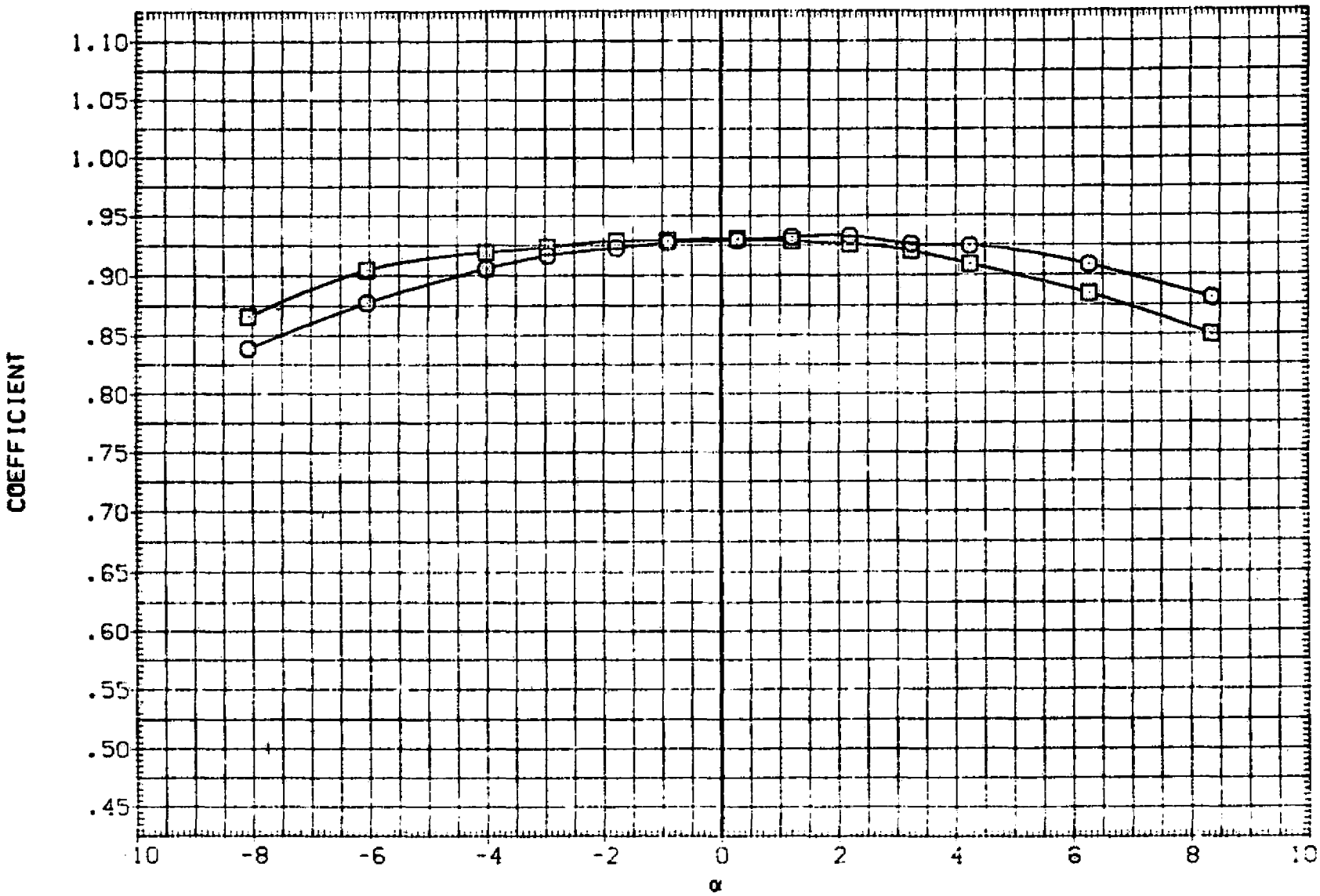


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY001) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	1.088	PHI	.000
□	CPSR				

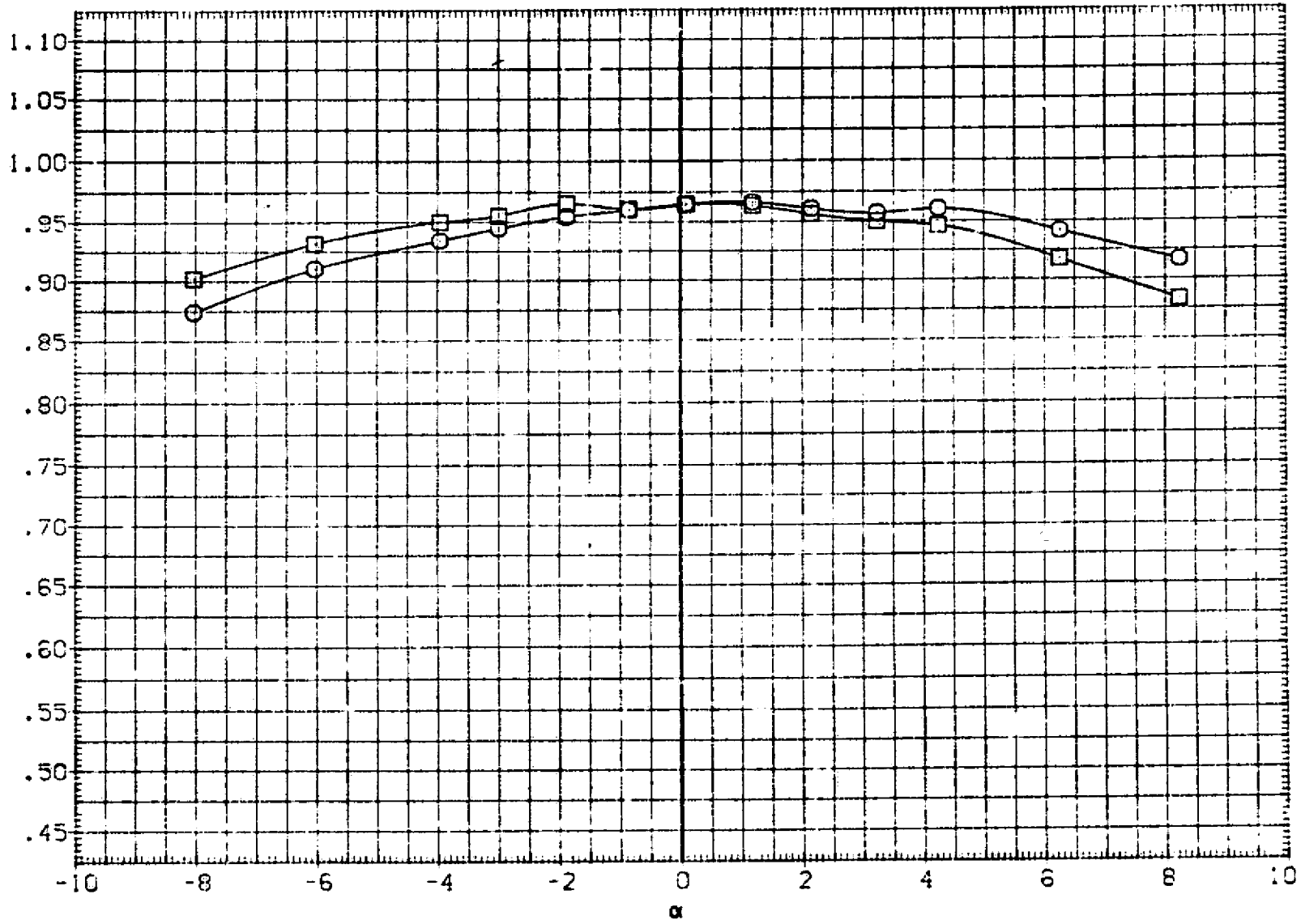


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY002) ARC14-143-1([A137) TANK(T36).264.6 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.550	PHI	.000
□	CPSU				
◇	CPSB				

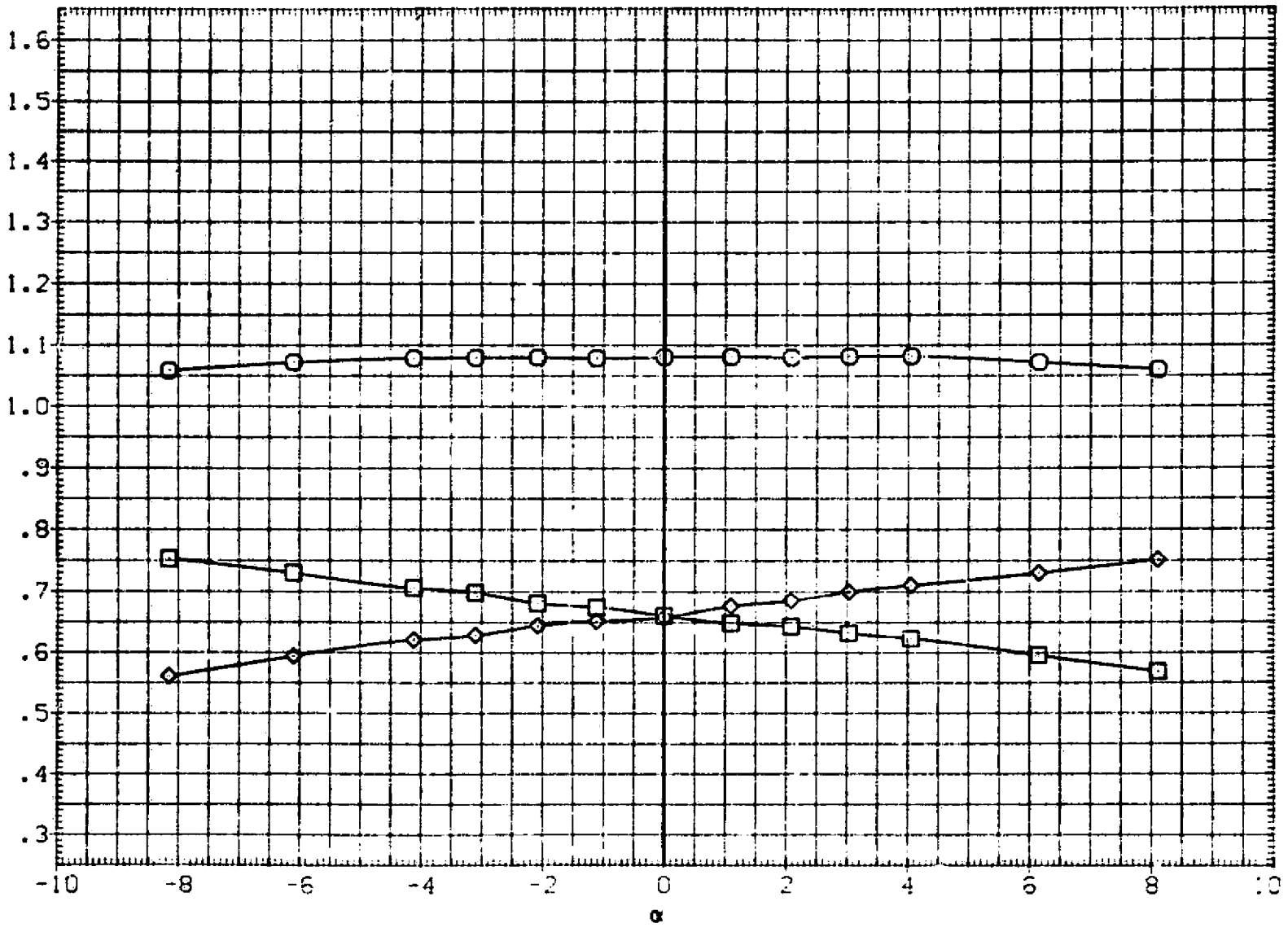


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY002) ARC14-143-I(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇□○	CPTB CPSU CPSB	MACH	.704	PHI	.000

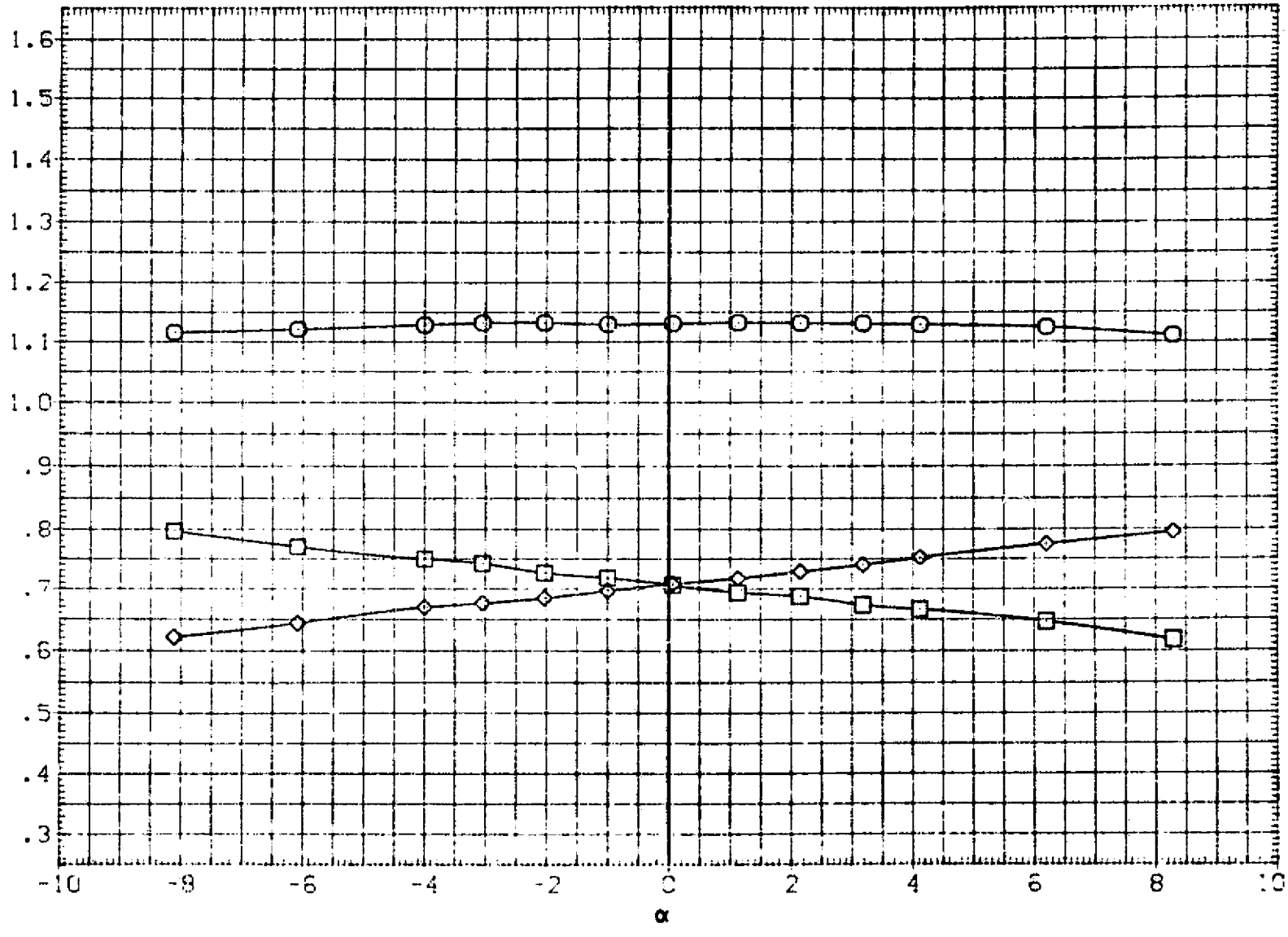


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇	CPTB	MACH	.798	PHI	.000
□	CPSU				
○	CPSB				

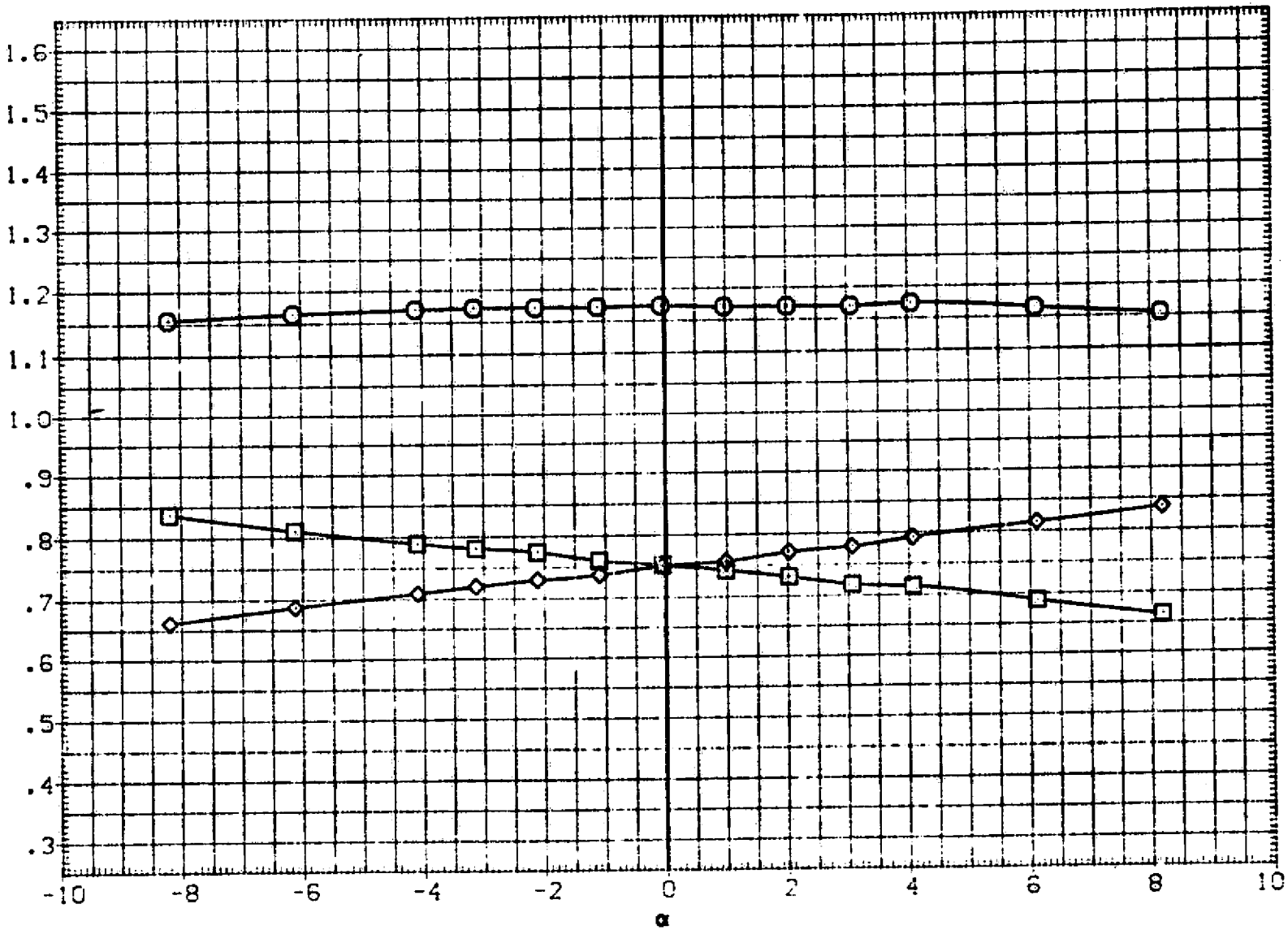


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇□	CPIB CPSU CPSB	MACH	.900	PHI	.000

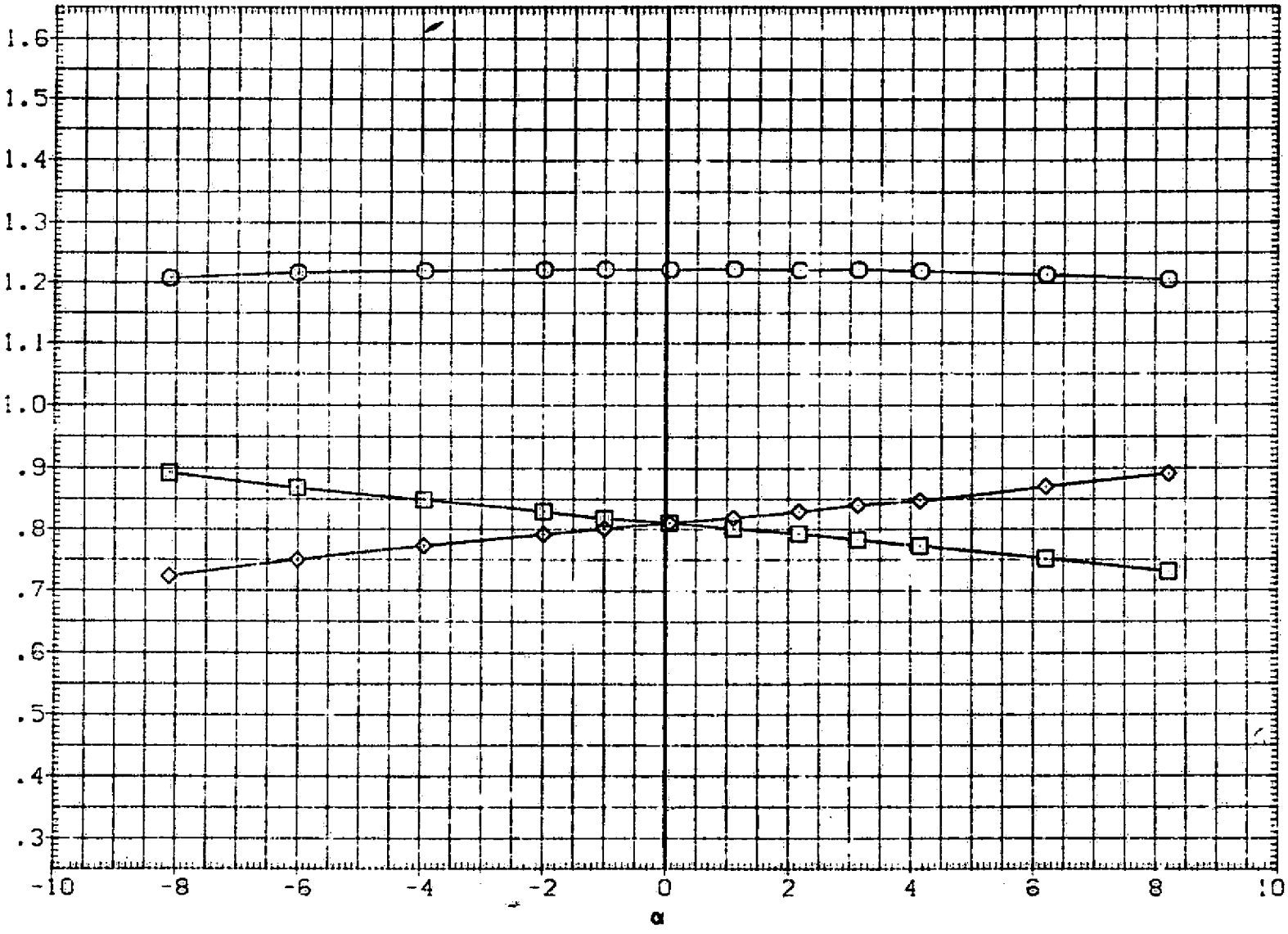


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY002) ARC14-143-1([A137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.947	PHI	.000
□	CPSU				
◇	CPSB				

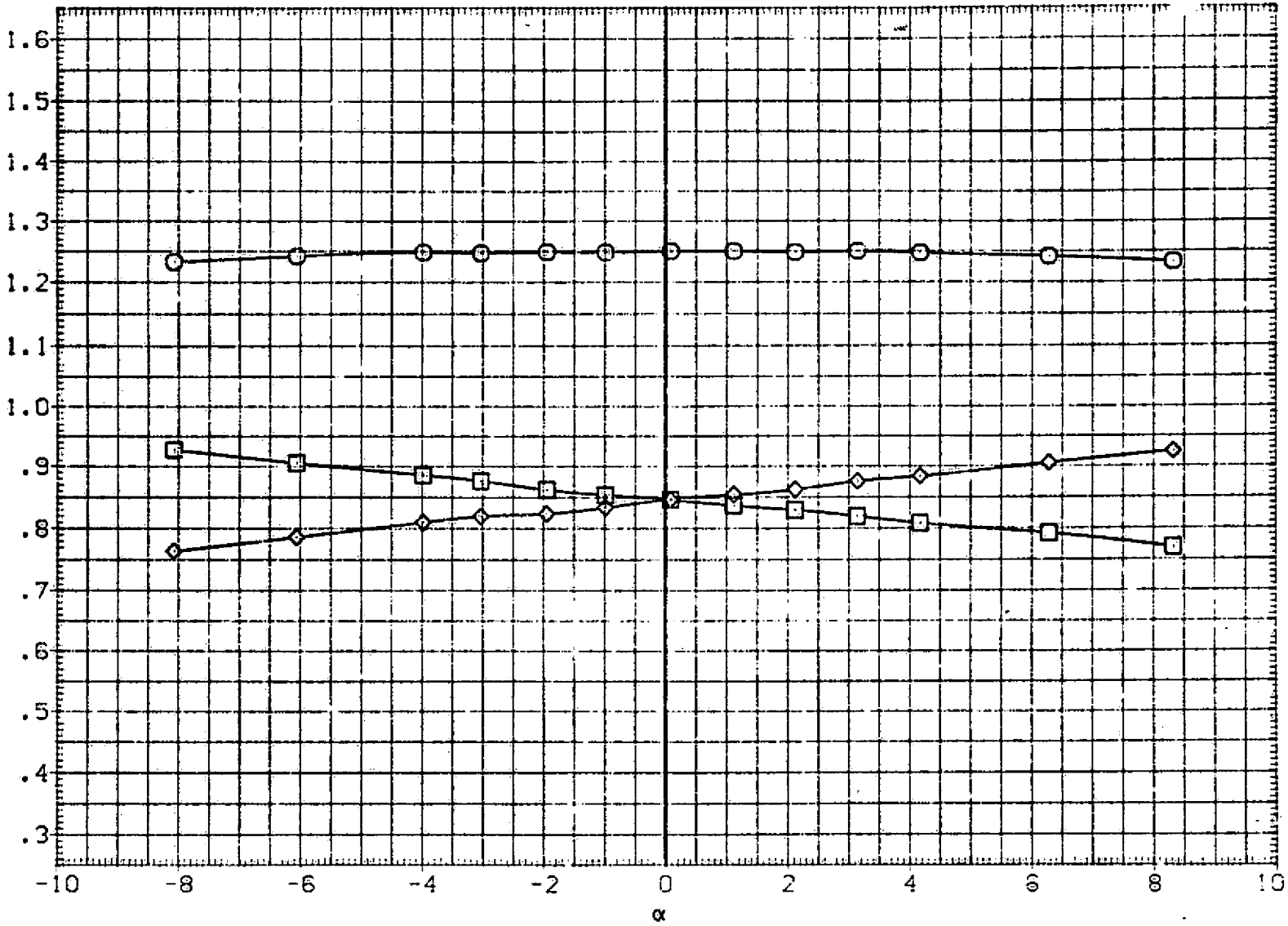


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	1.051	PHI	.000
□	CPSU				
◇	CPSB				

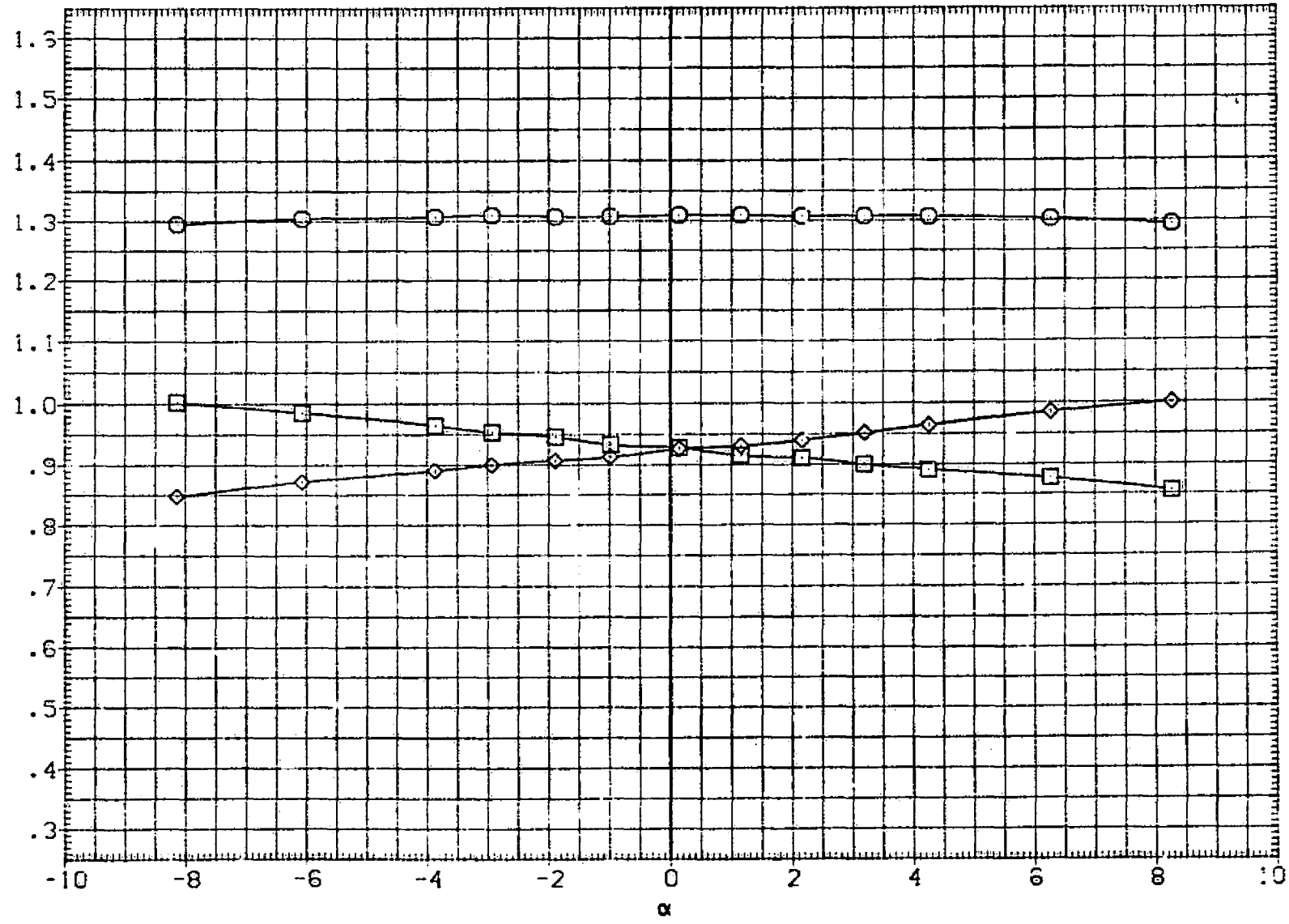


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	1.101	PHI	.000
□	CPSU				
◇	CPSB				

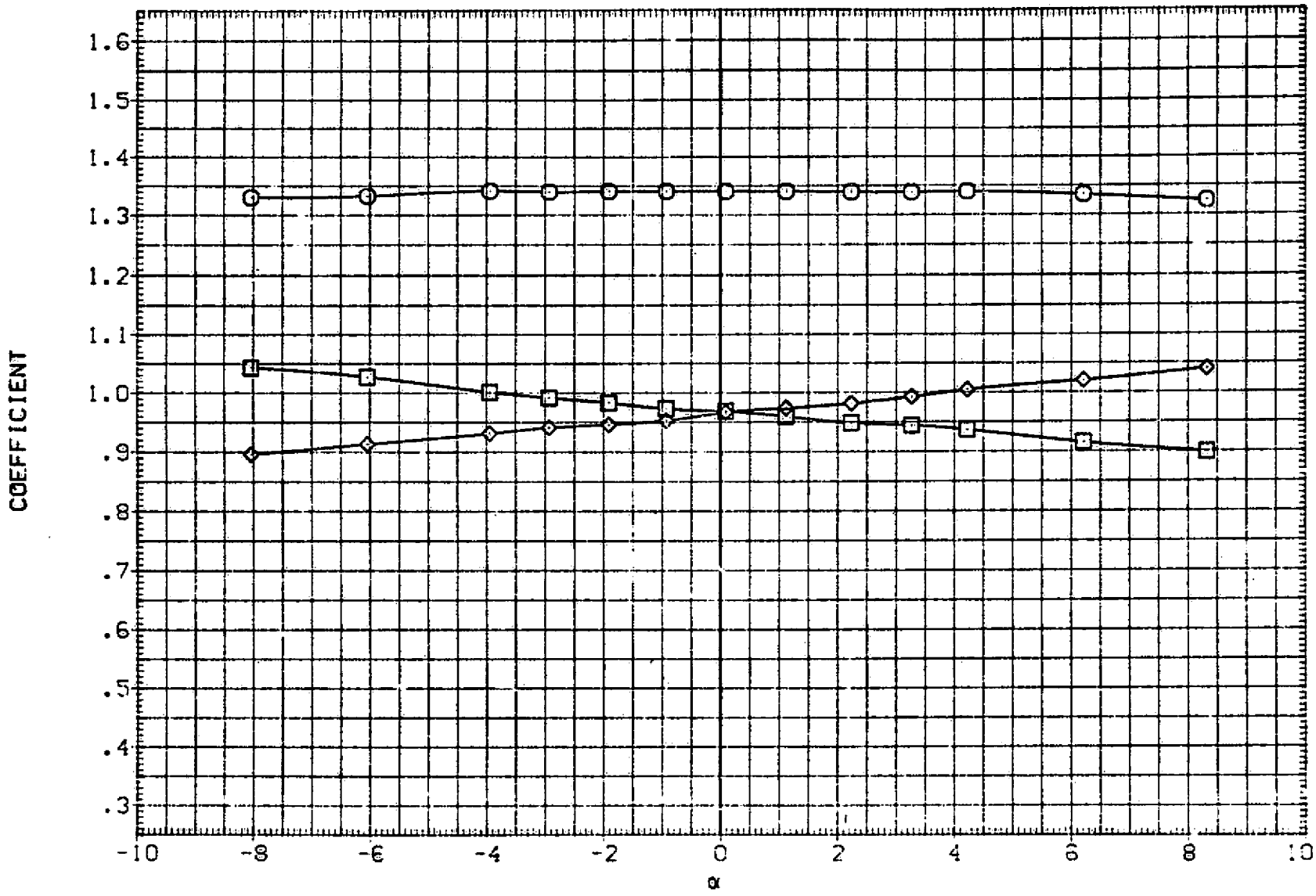


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.550	PHI	.000
□	CPSR				

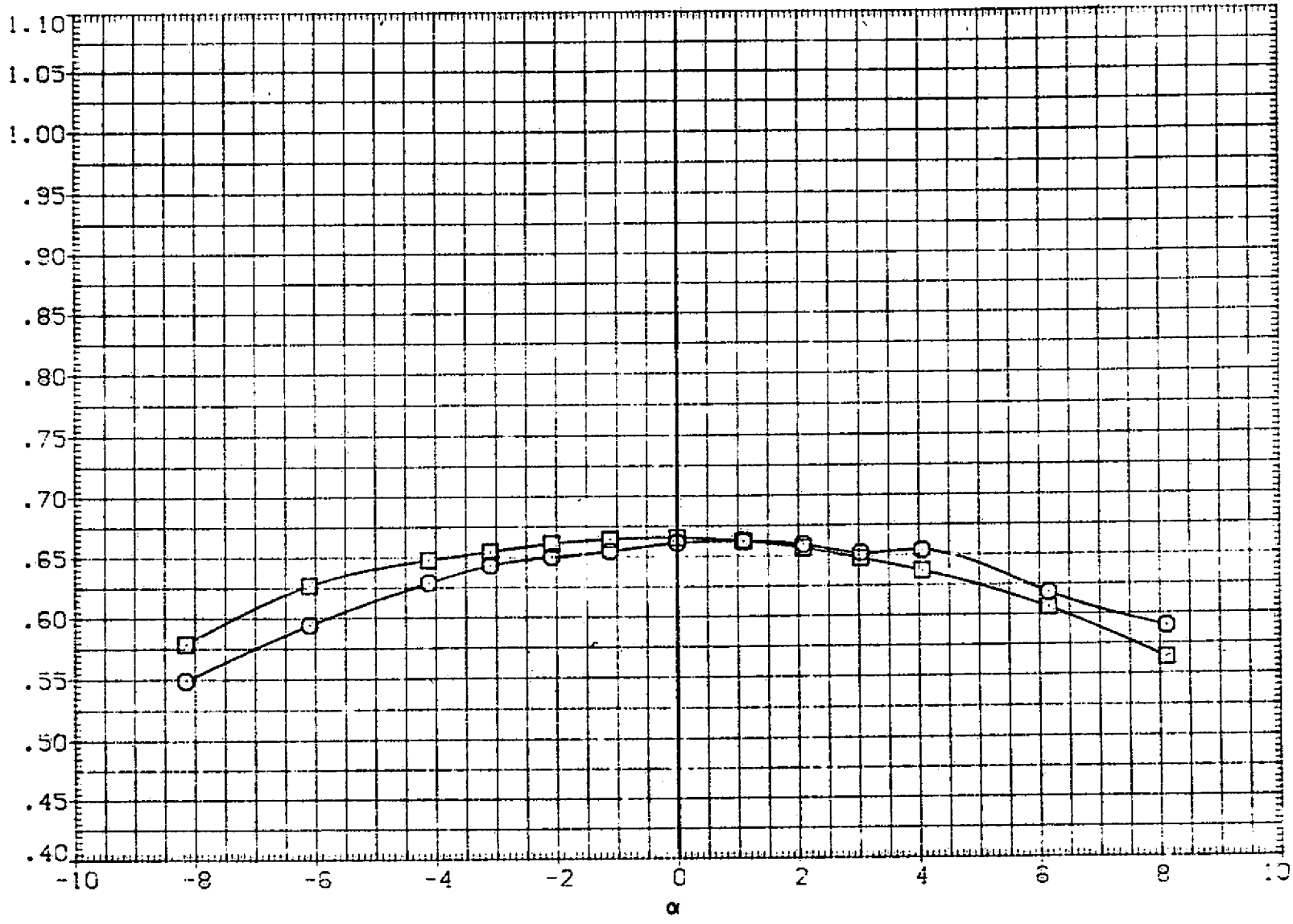


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL CPSR	MACH	.704	PHI	.000

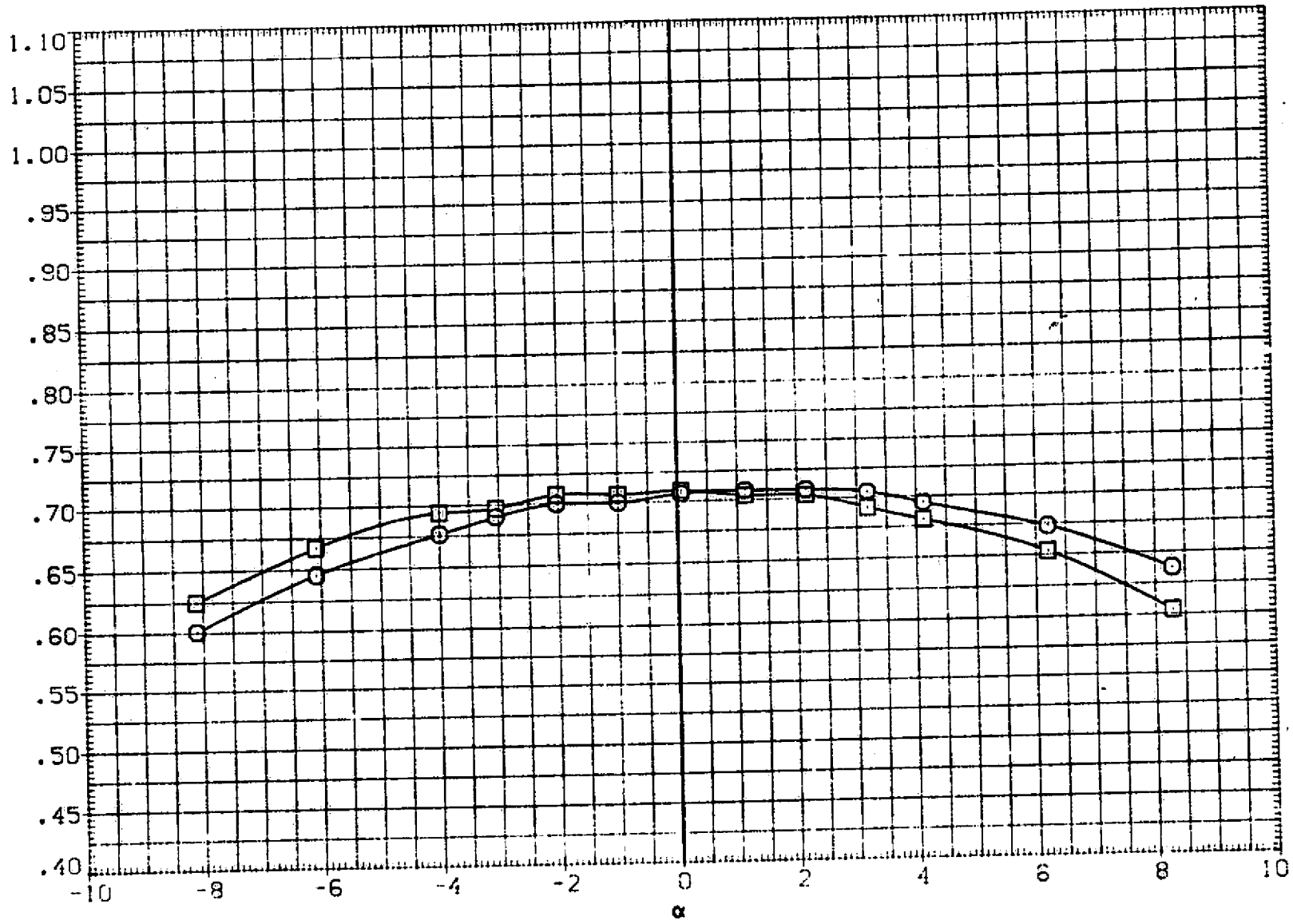


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.798	PHI	.000
□	CPSR				

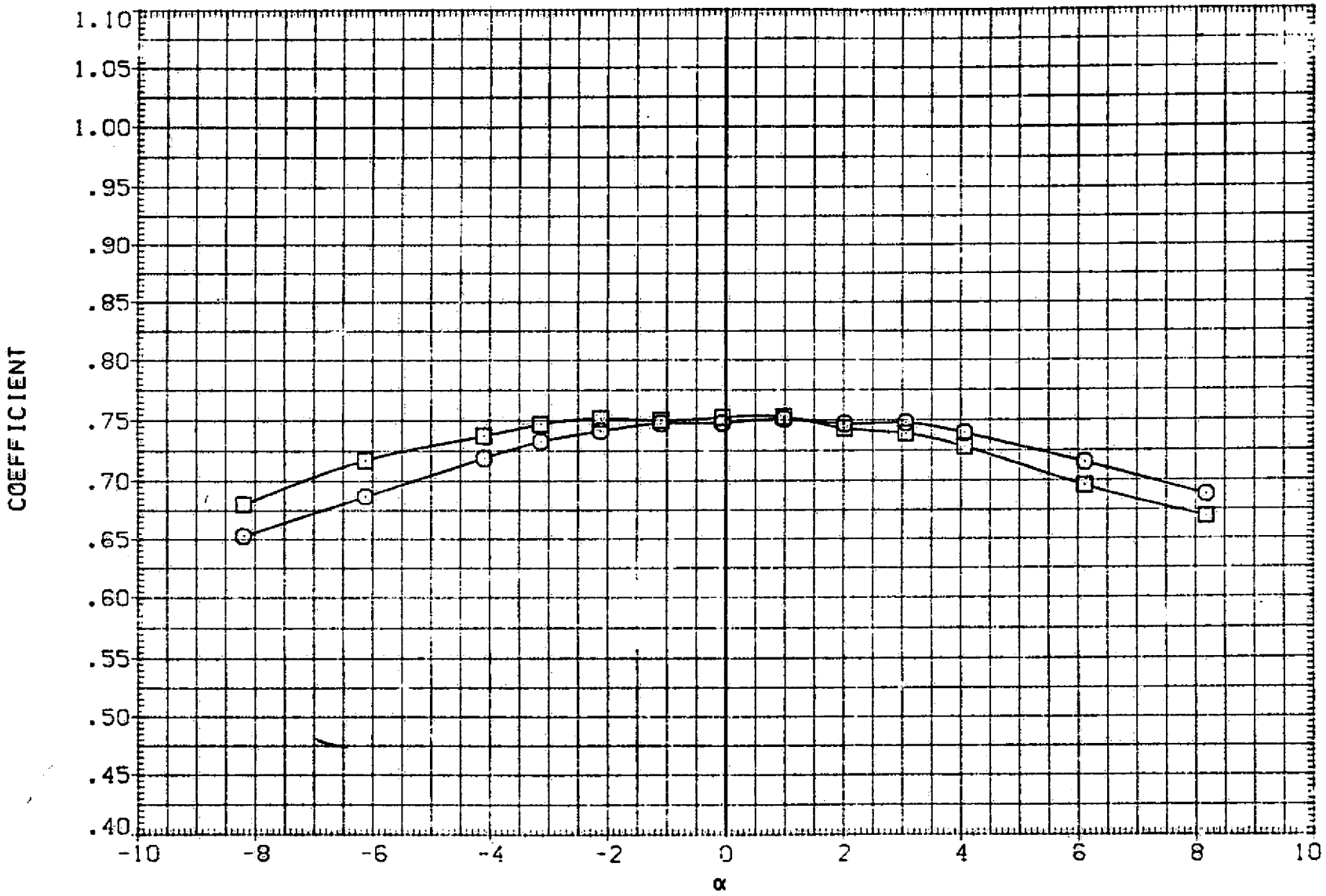


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	.900	PHI	.000
□	CPSR				

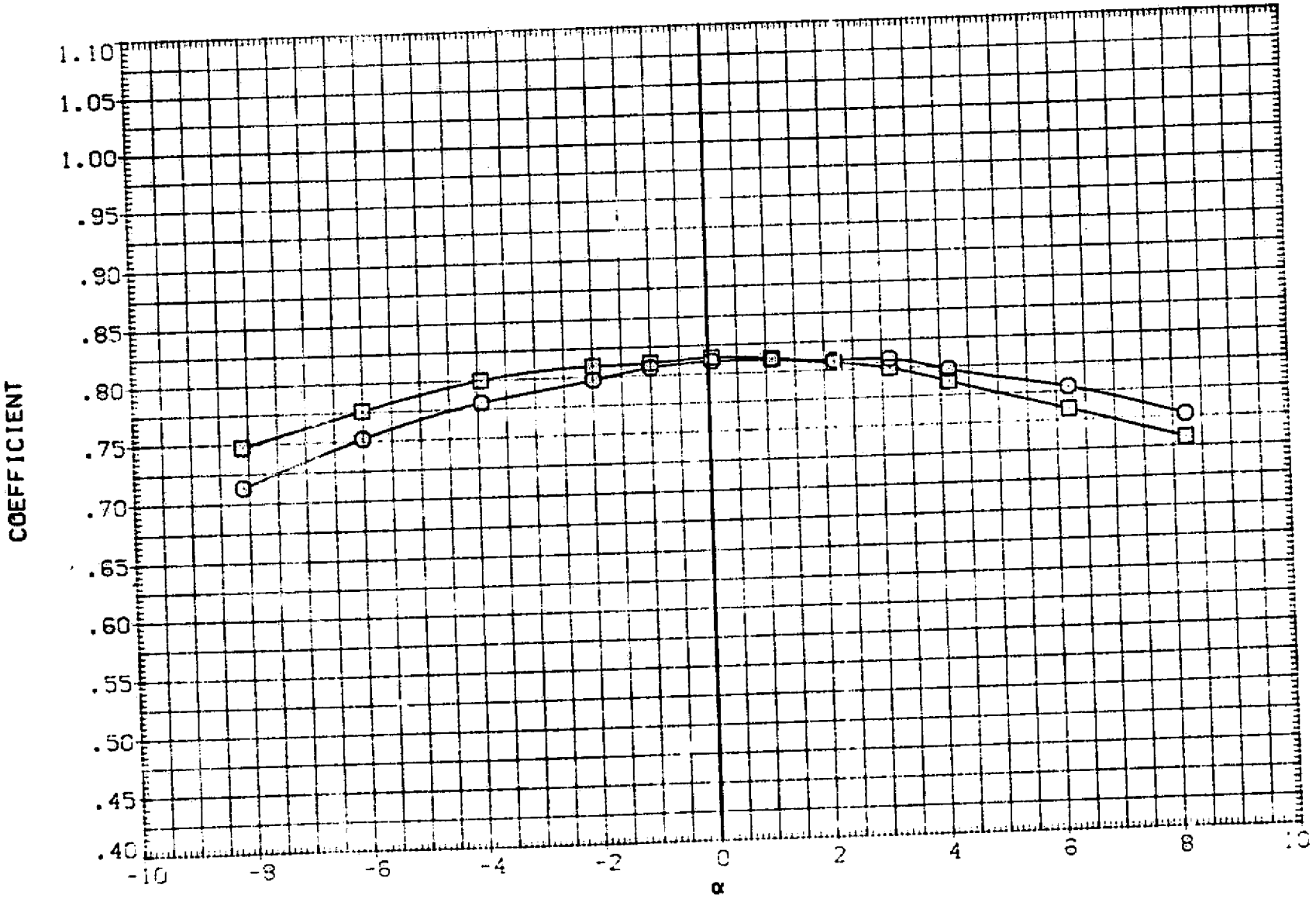


FIG. 4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPPI	MACH	.947	PHI	.000
□	CPSR				

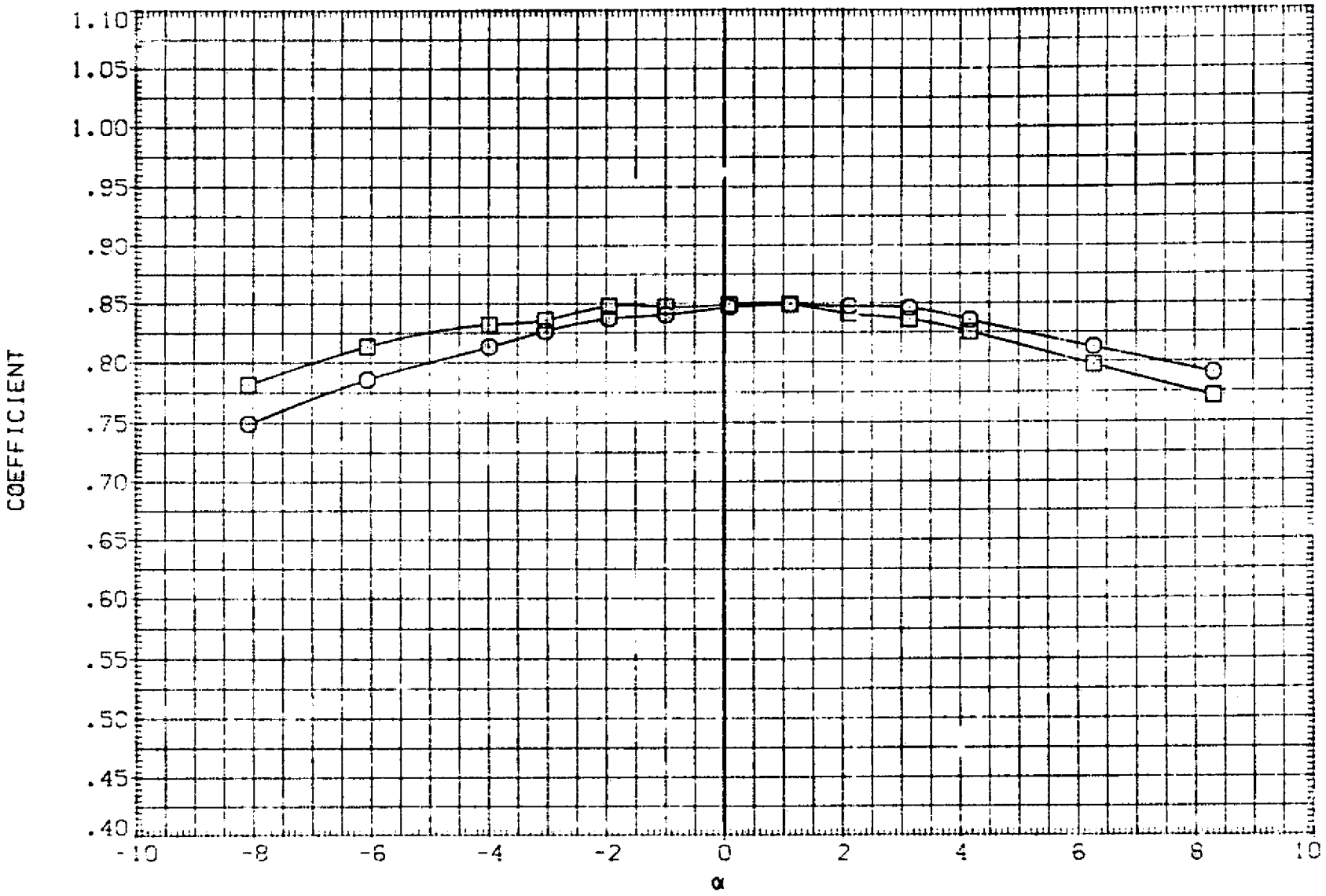


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY002) ARC14-140-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	1.051	PHI	.000
□	CPSR				

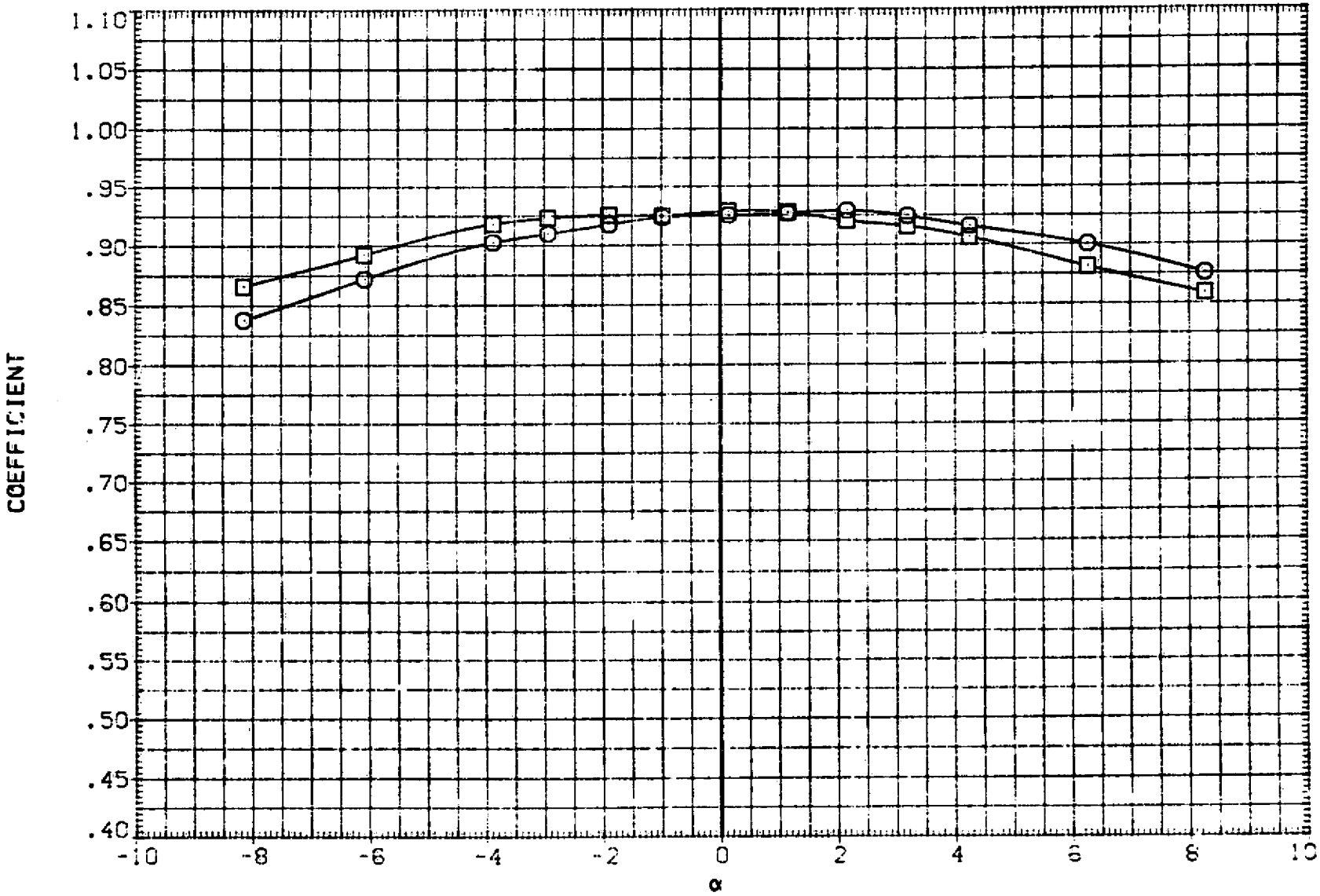


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY002) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	1.101	PHI	.000
□	CPSU				

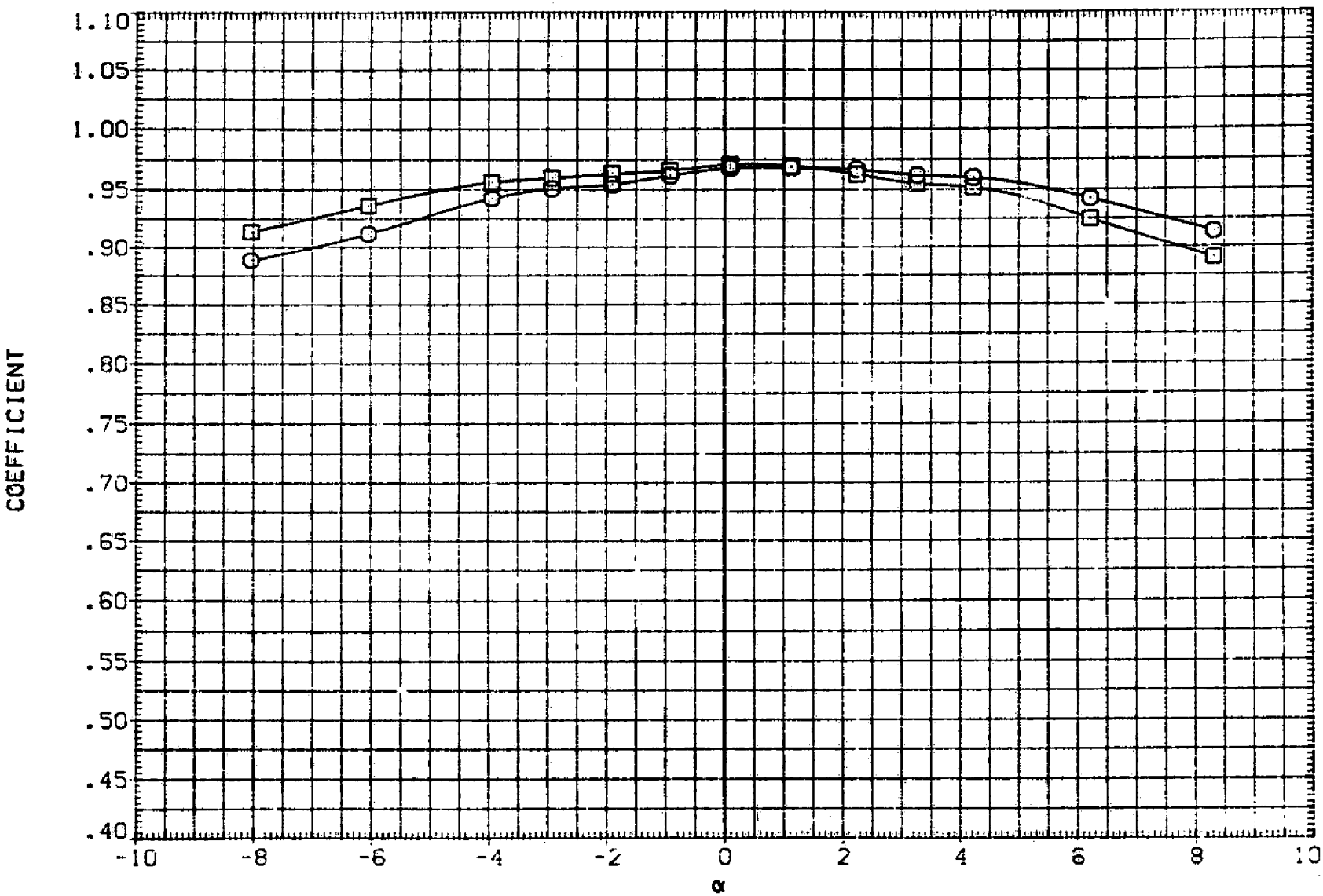


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY003) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.549	PHI	.000
◇	CPSU				
	CPSB				

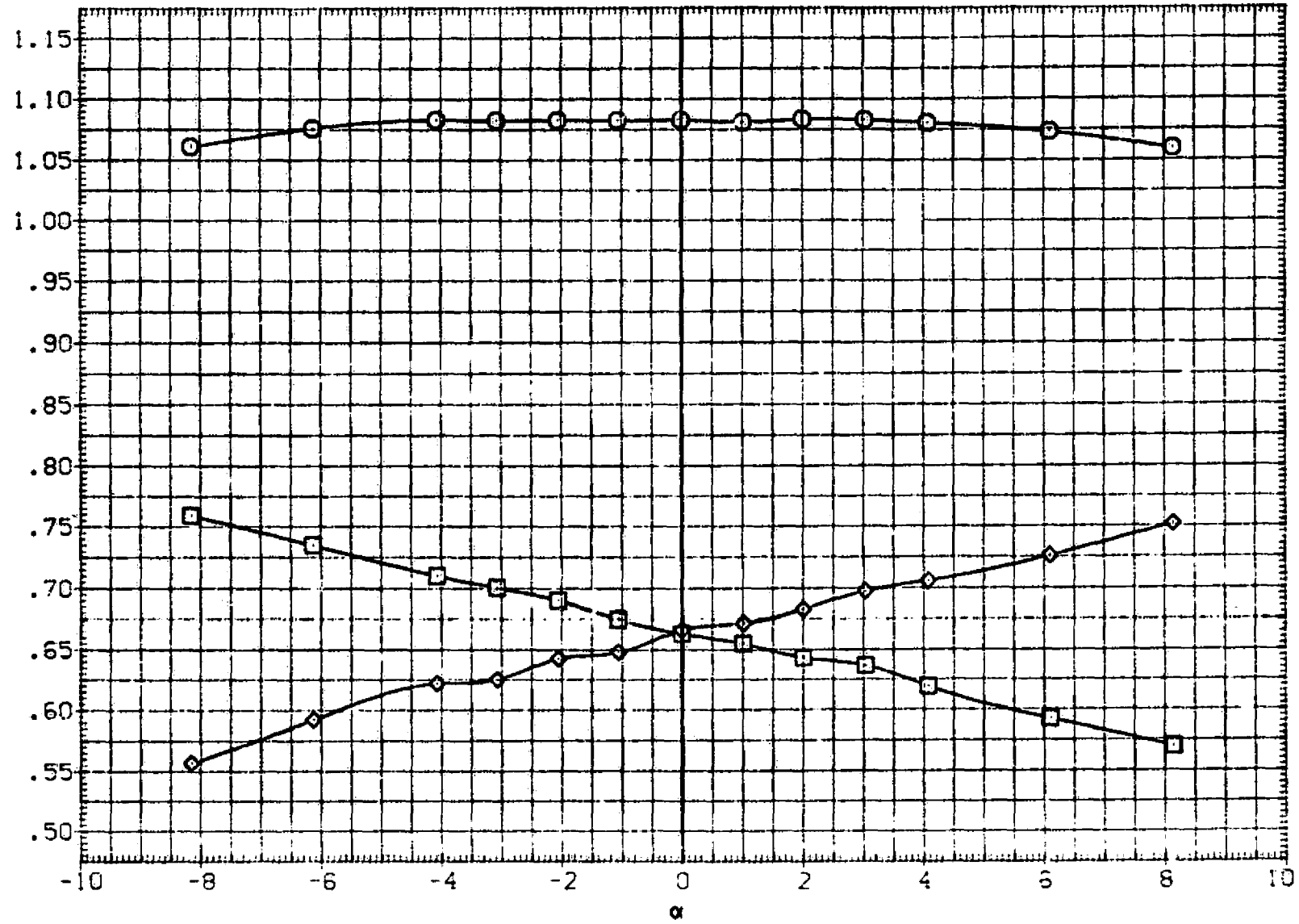


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY003) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	.549	PHI	.000
□	CPSR				

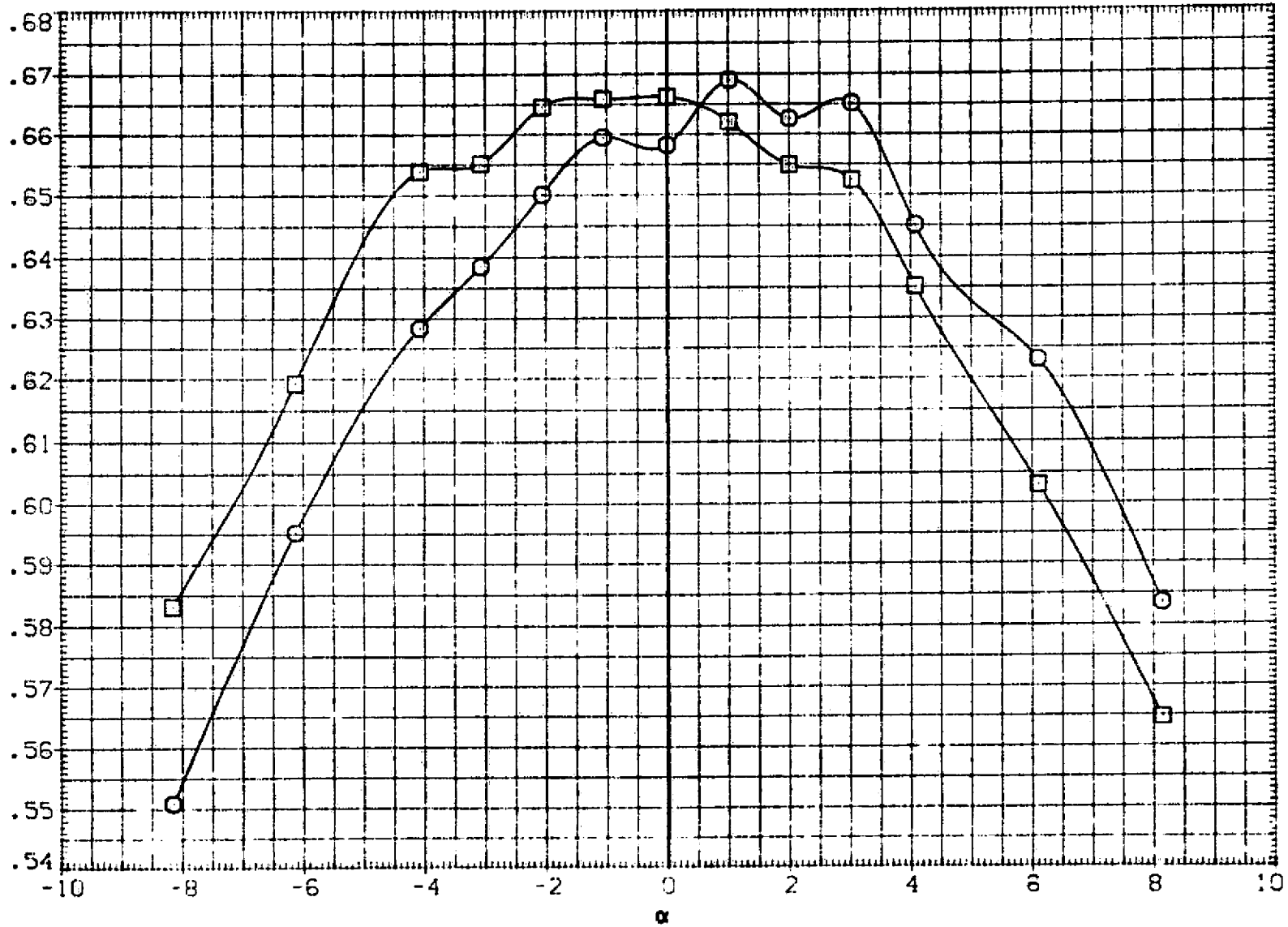


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		PHI
(RNY002)	○	ARC14-143-1((A137)	TANK(T36).264.8 IN.	.000
(RNY003)	□	ARC14-143-1((A137)	TANK(T36).264.8 IN.	.000

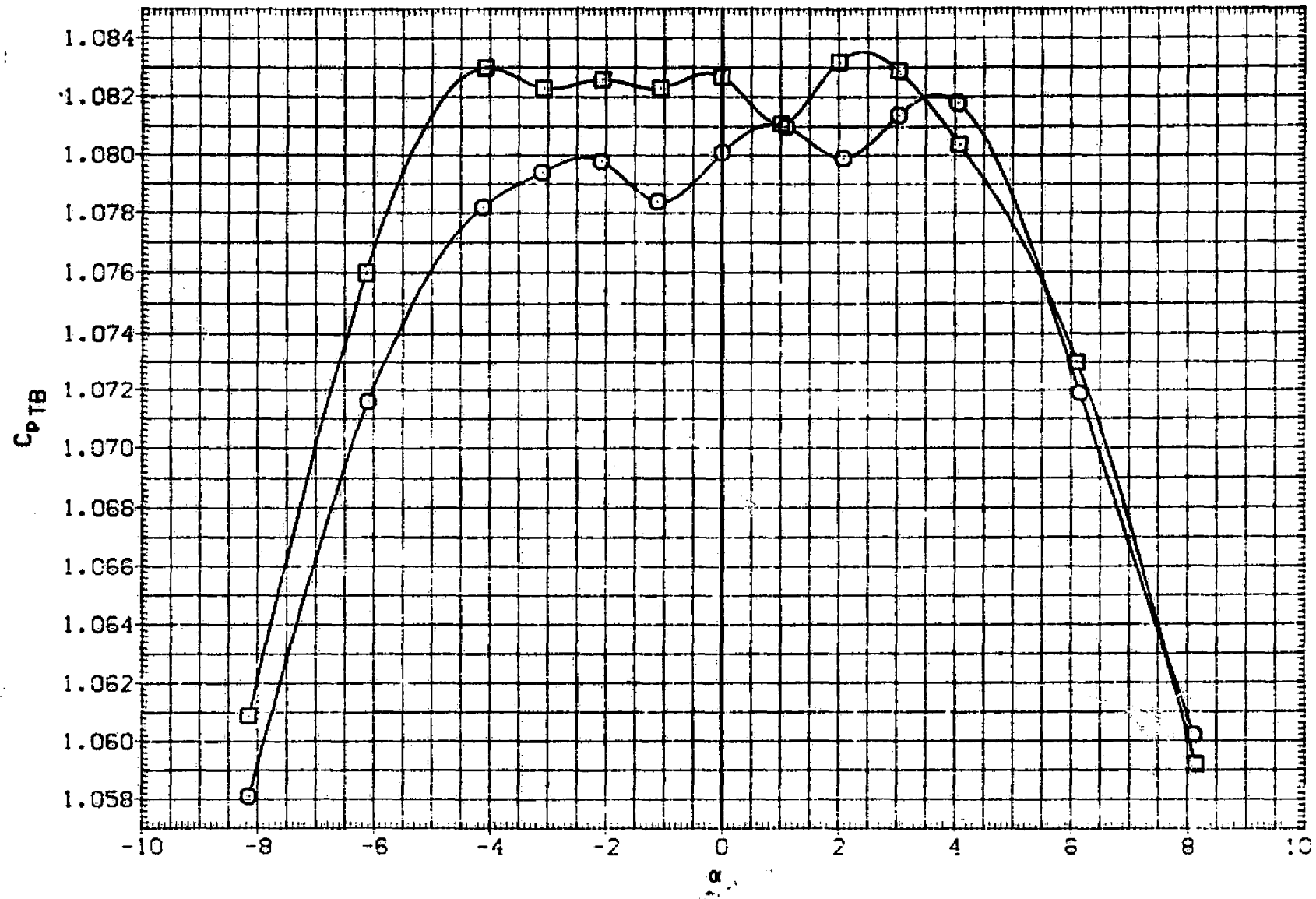


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(A)MACH = .55

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		PHI
(RNY002)	8	ARC14-143-1((A137)	TANK(T36).264.8 IN.	.000
(RNY003)	□	ARC14-143-1((A137)	TANK(T36).264.8 IN.	.000

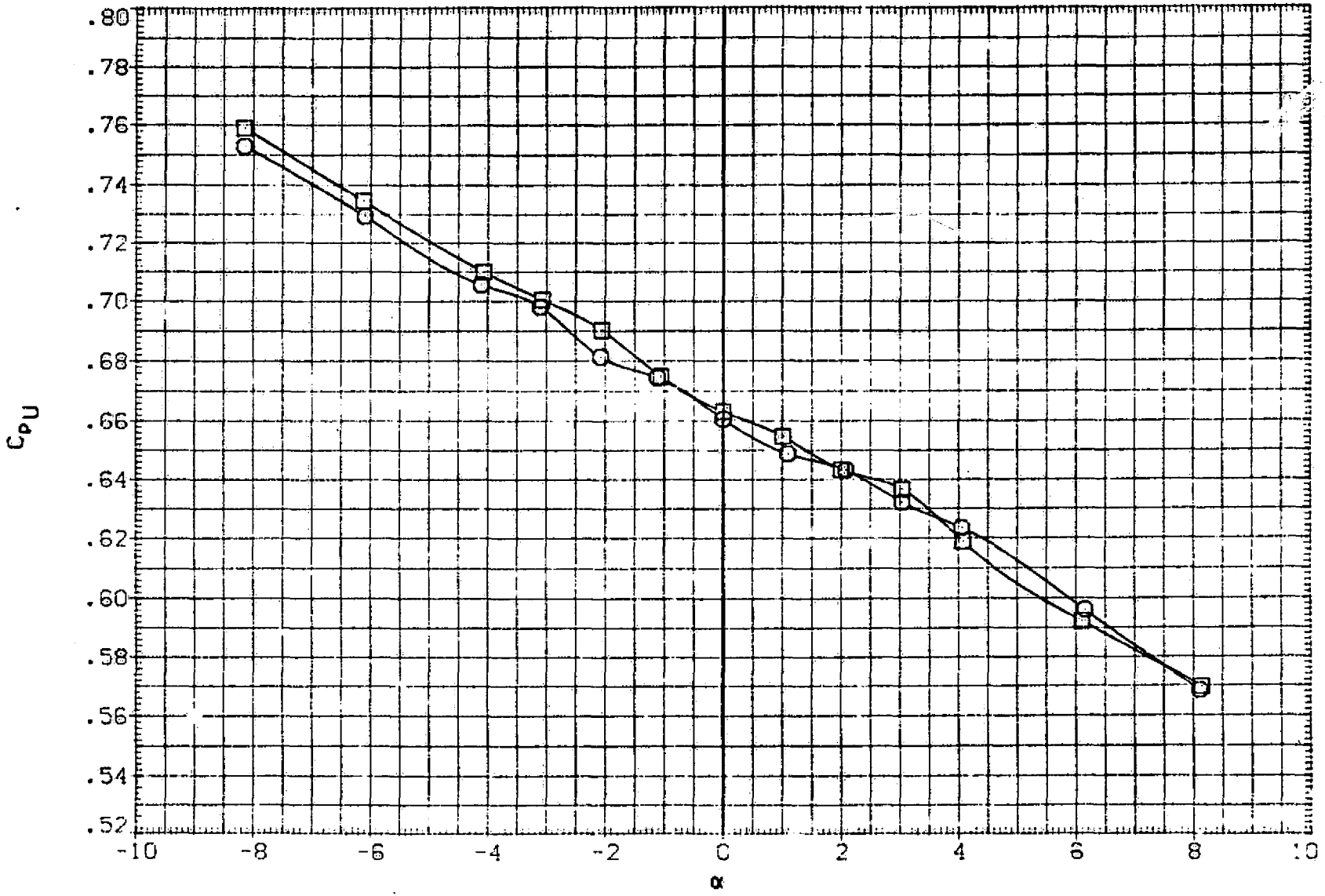


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(A)MACH = .55

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		PHI
(RNY002)	○	ARC14-143-1((IA137)	TANK(T36).264.8 IN.	.000
(RNY003)	□	ARC14-143-1((IA137)	TANK(T36).264.8 IN.	.000

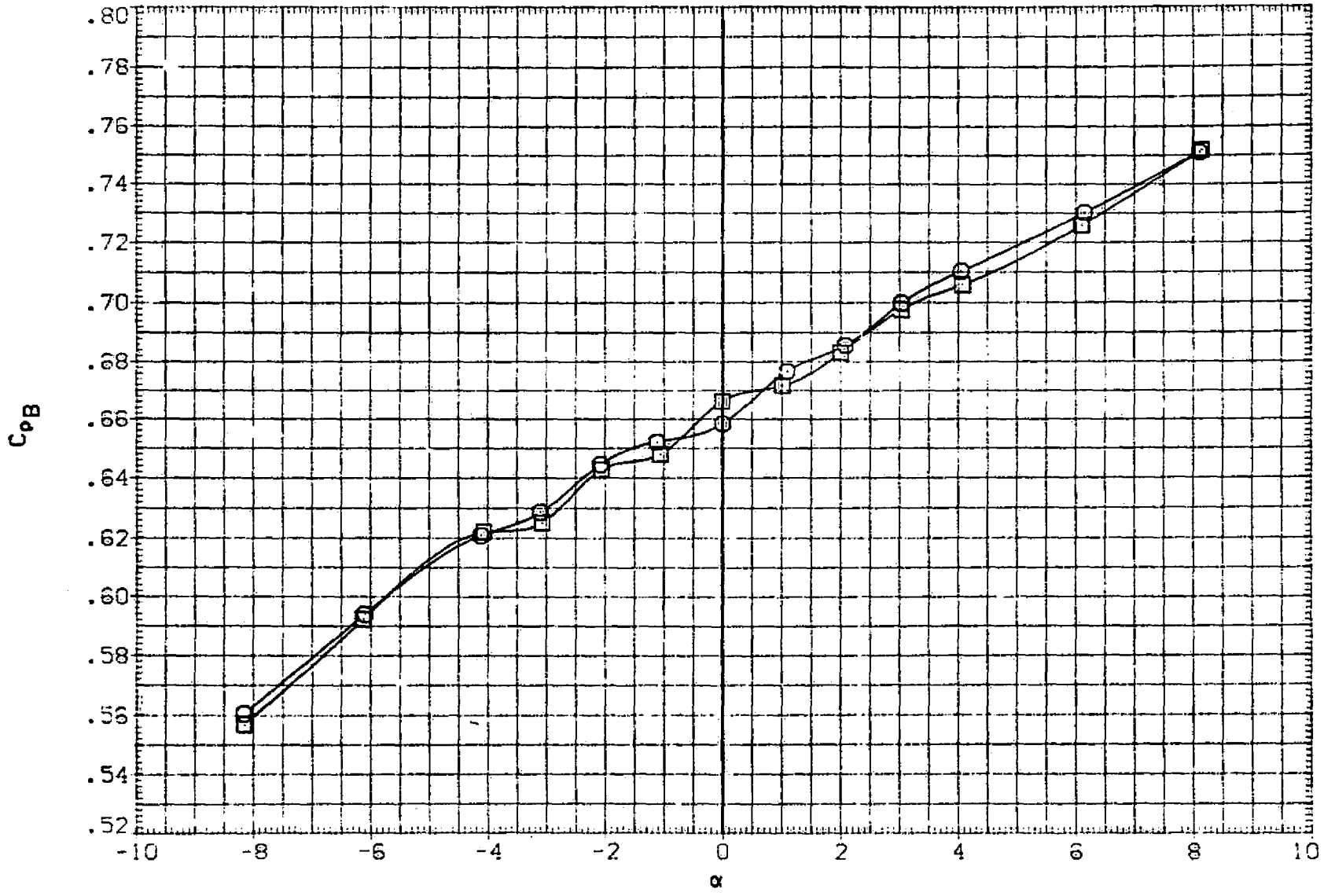


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(A)MACH = .55

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI
(RNY002)	○	ARC14-143-1((A137) TANK(T36).264.8 IN.	.000
(RNY003)	□	ARC14-143-1((A137) TANK(T36).264.8 IN.	.000



FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(A)MACH = .55

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		PHI
(RNY002)	○	ARC14-143-1((A137)	TANK(T36).264.8 IN.	.000
(RNY003)	□	ARC14-143-1((A137)	TANK(T36).264.8 IN.	.000

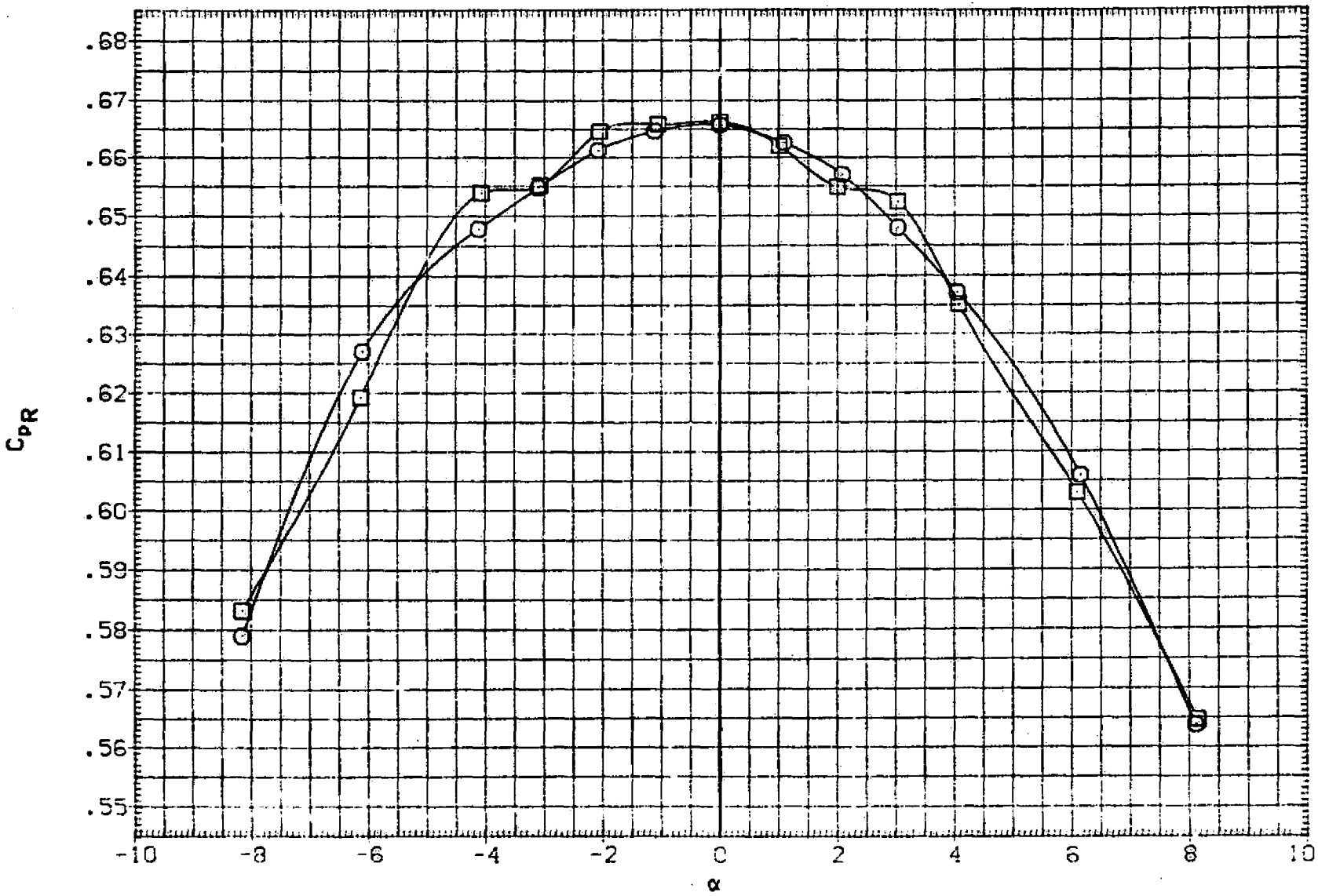


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(A)MACH = .55

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.550	PHI	.000
◇	CPSW				
□	CPSB				

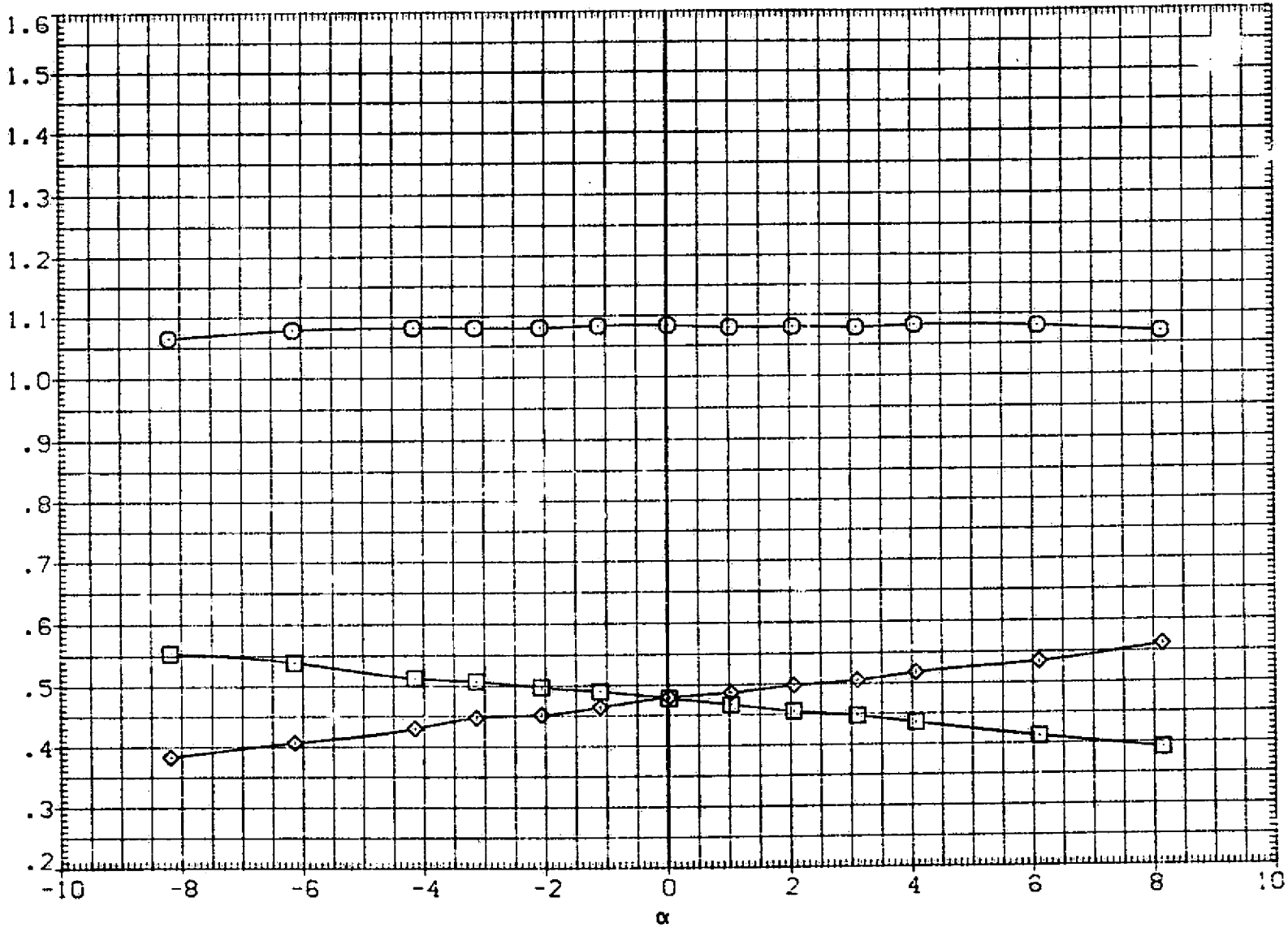


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.702	PHI	.000
□	CPSU				
◇	CPSB				

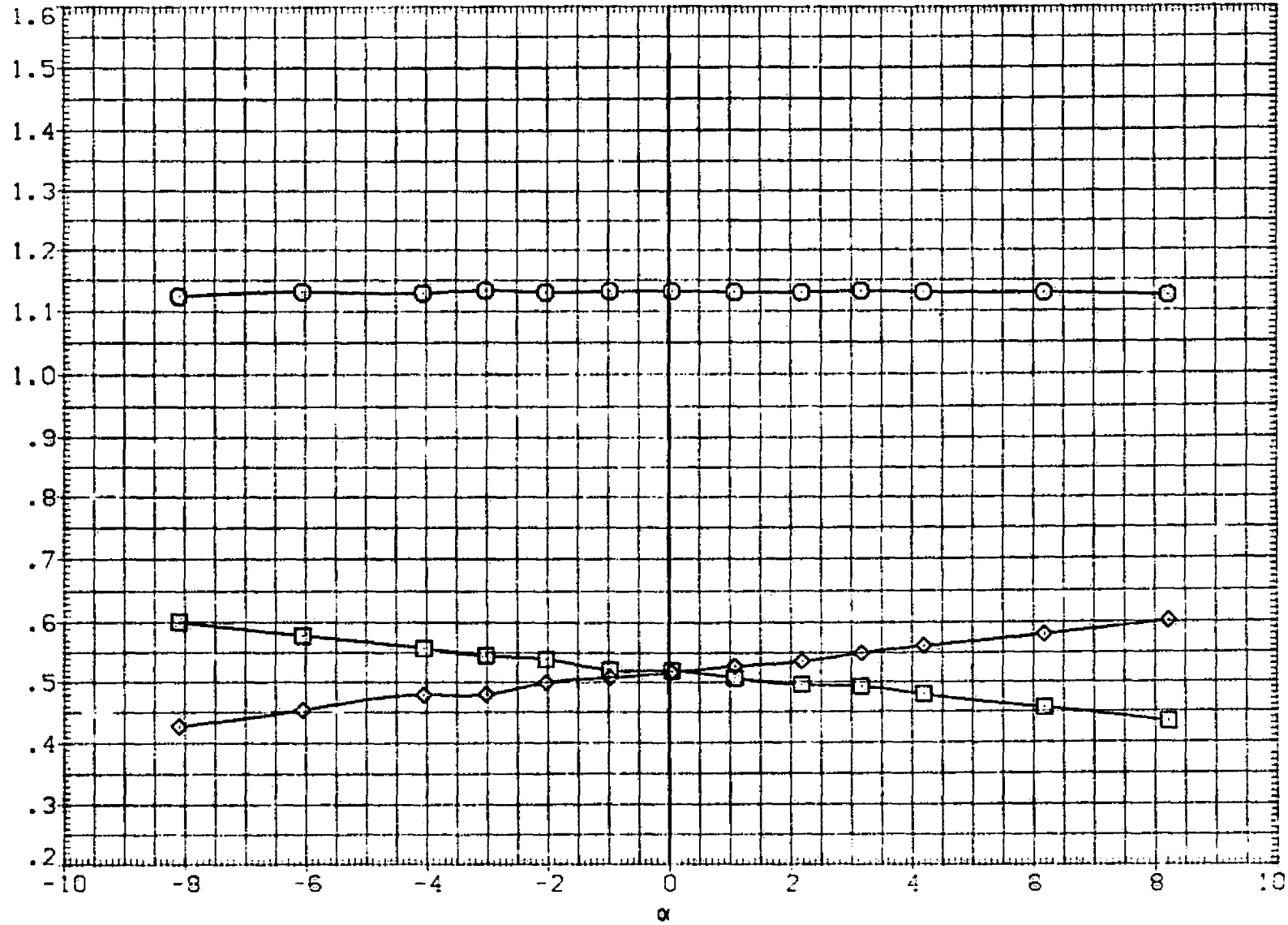


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.802	PHI	.000
□	CPSU				
◇	CPSB				

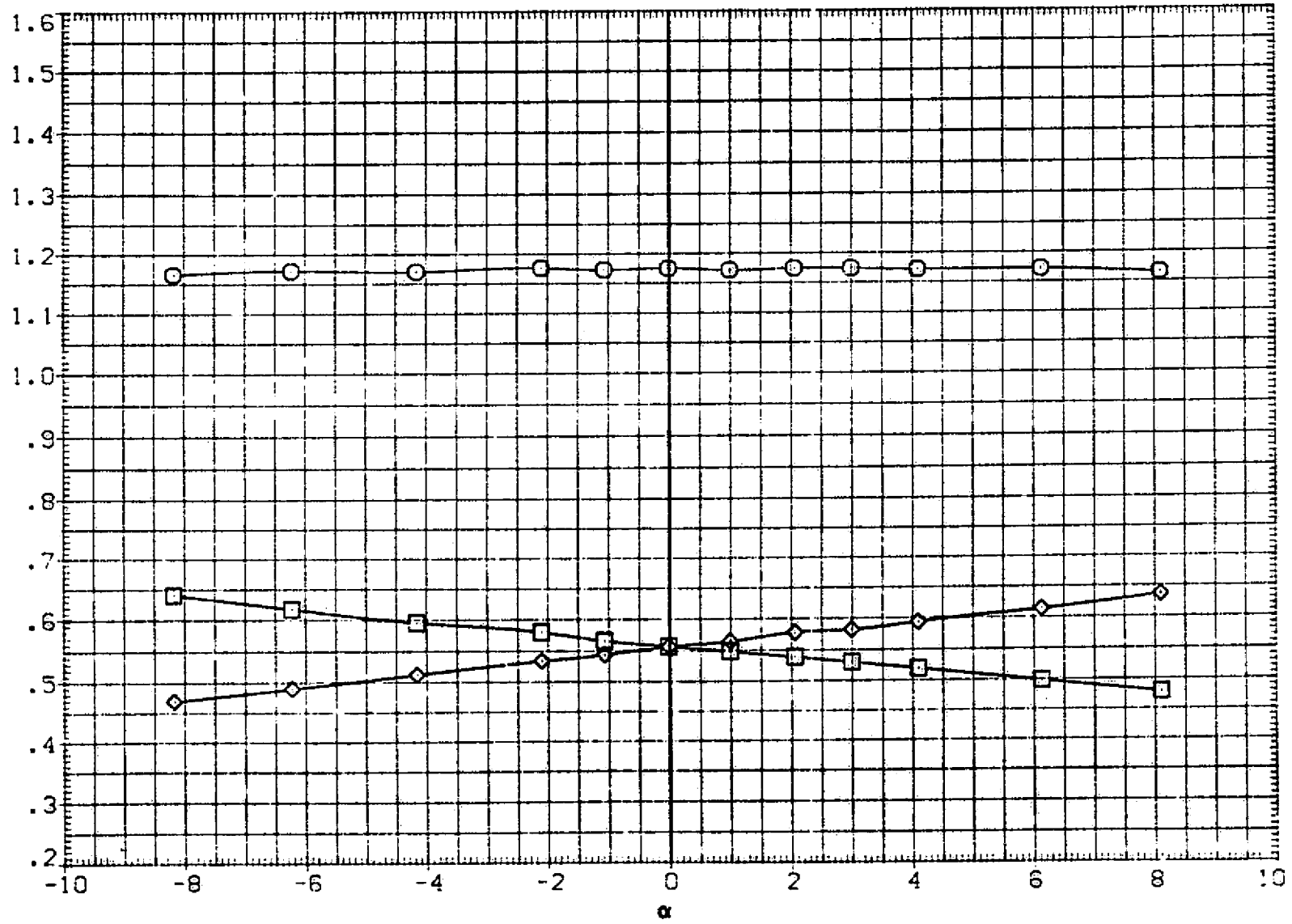


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.899	PHI	.000
□	CPSU				
◇	CPSB				

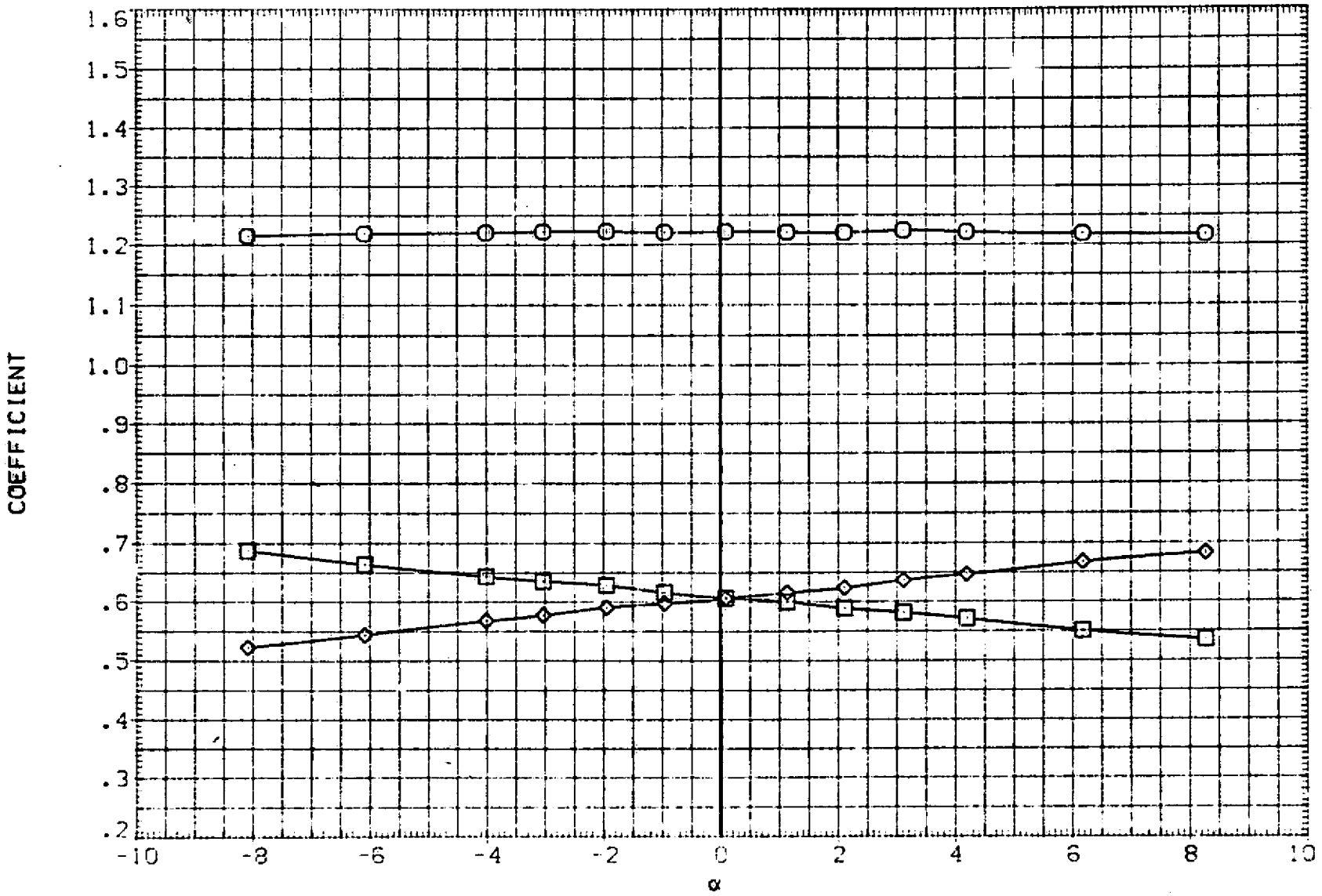


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.950	PHI	.000
□	CPSU				
◇	CPSB				

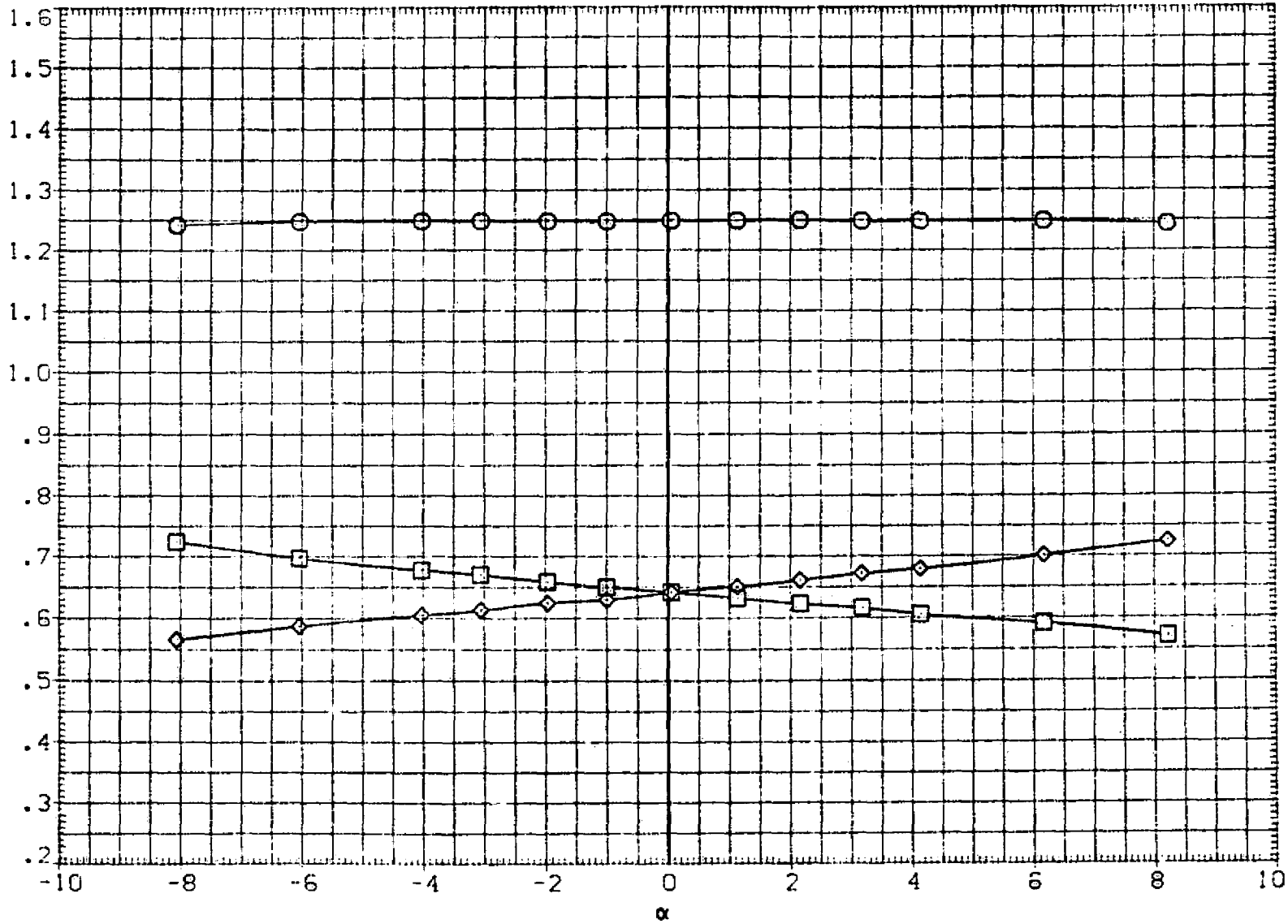


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	1.099	PHI	.000
◇	CPSW				
	CPSB				

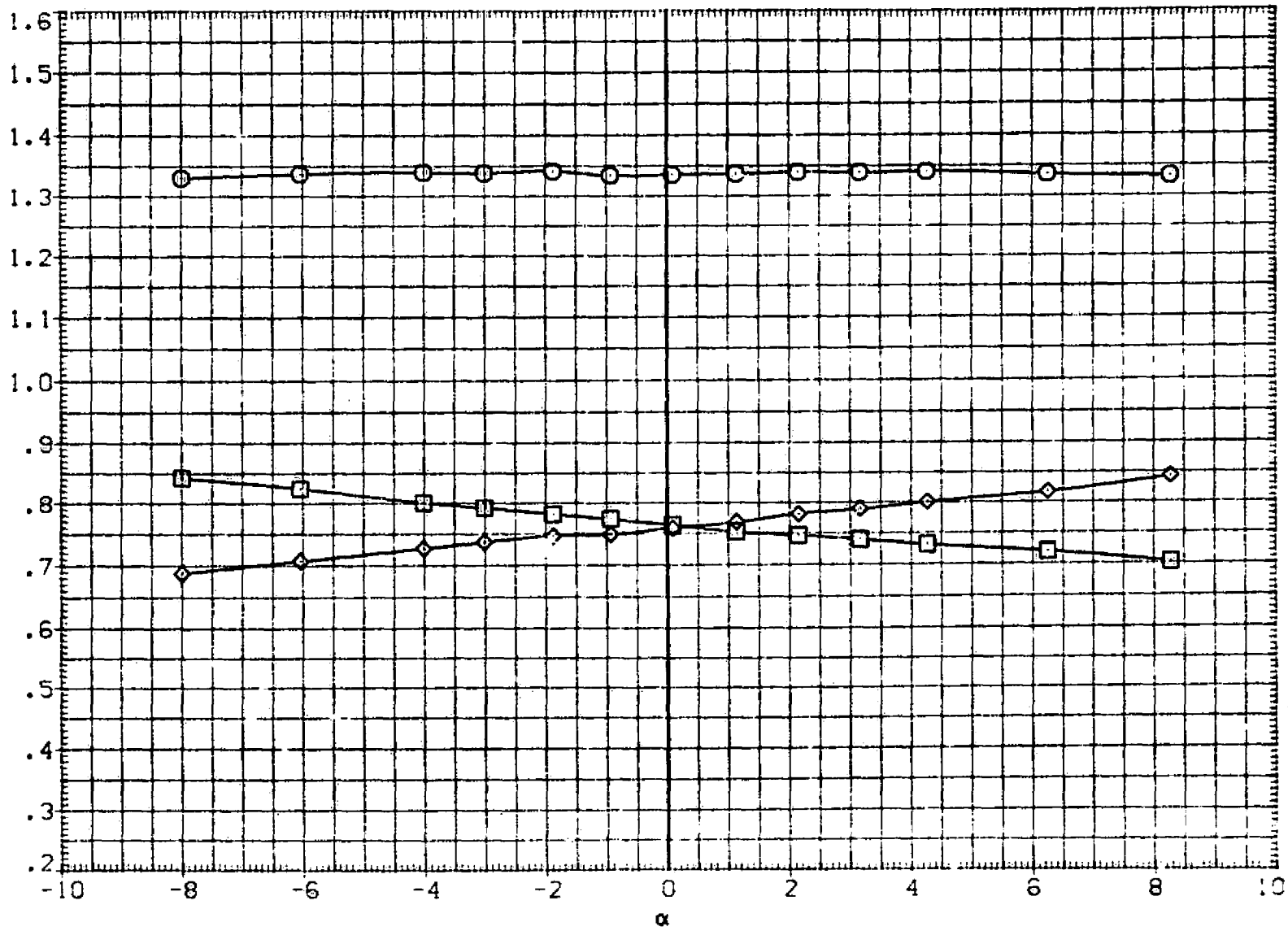


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	1.152	PHI	.000
◇	CPSU				
□	CPSB				

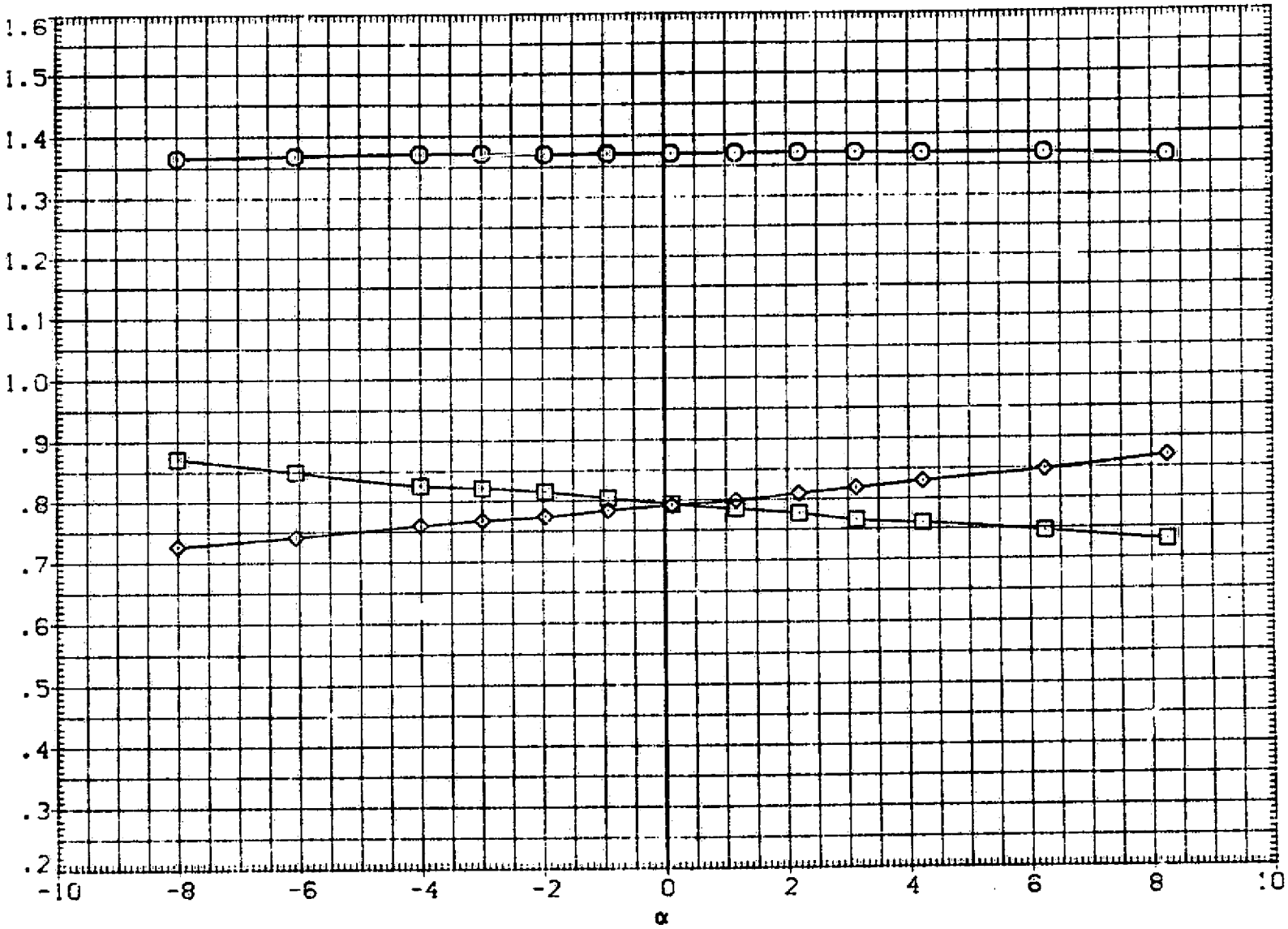


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.550	PHI	.000
□	CPSR				

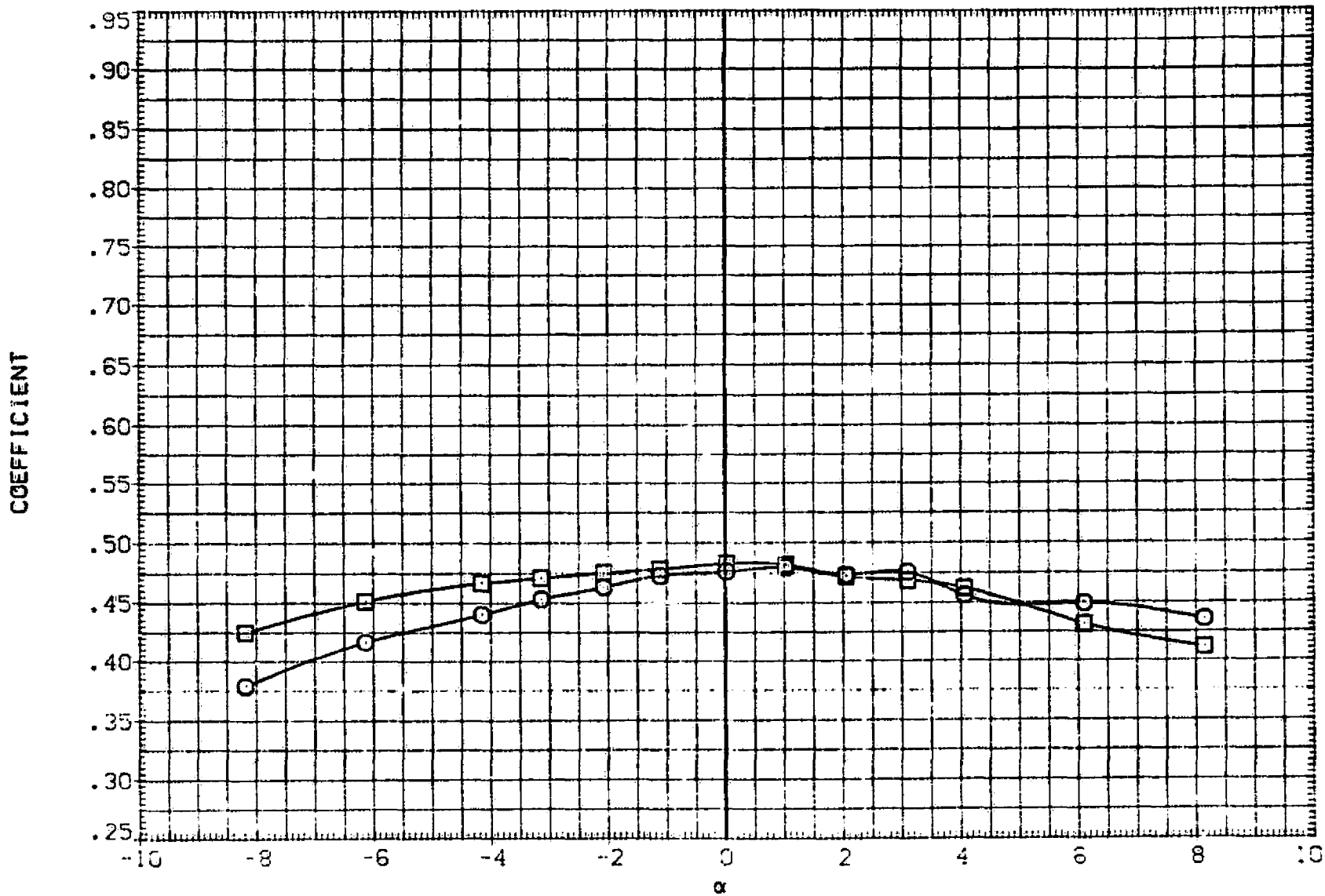


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	.702	PHI	.000
□	CPSR				

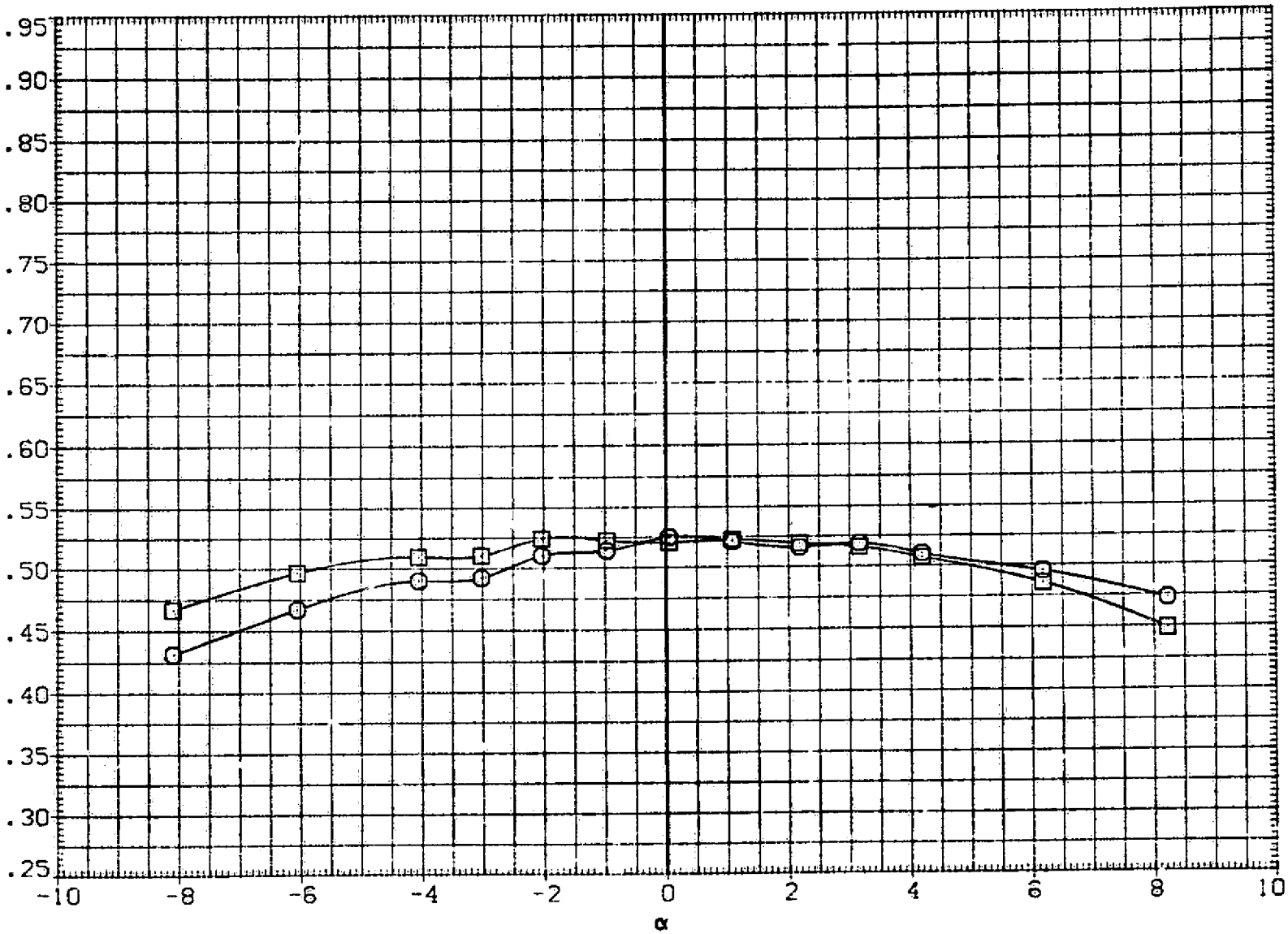


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.802	PHI	.000
□	CPSR				

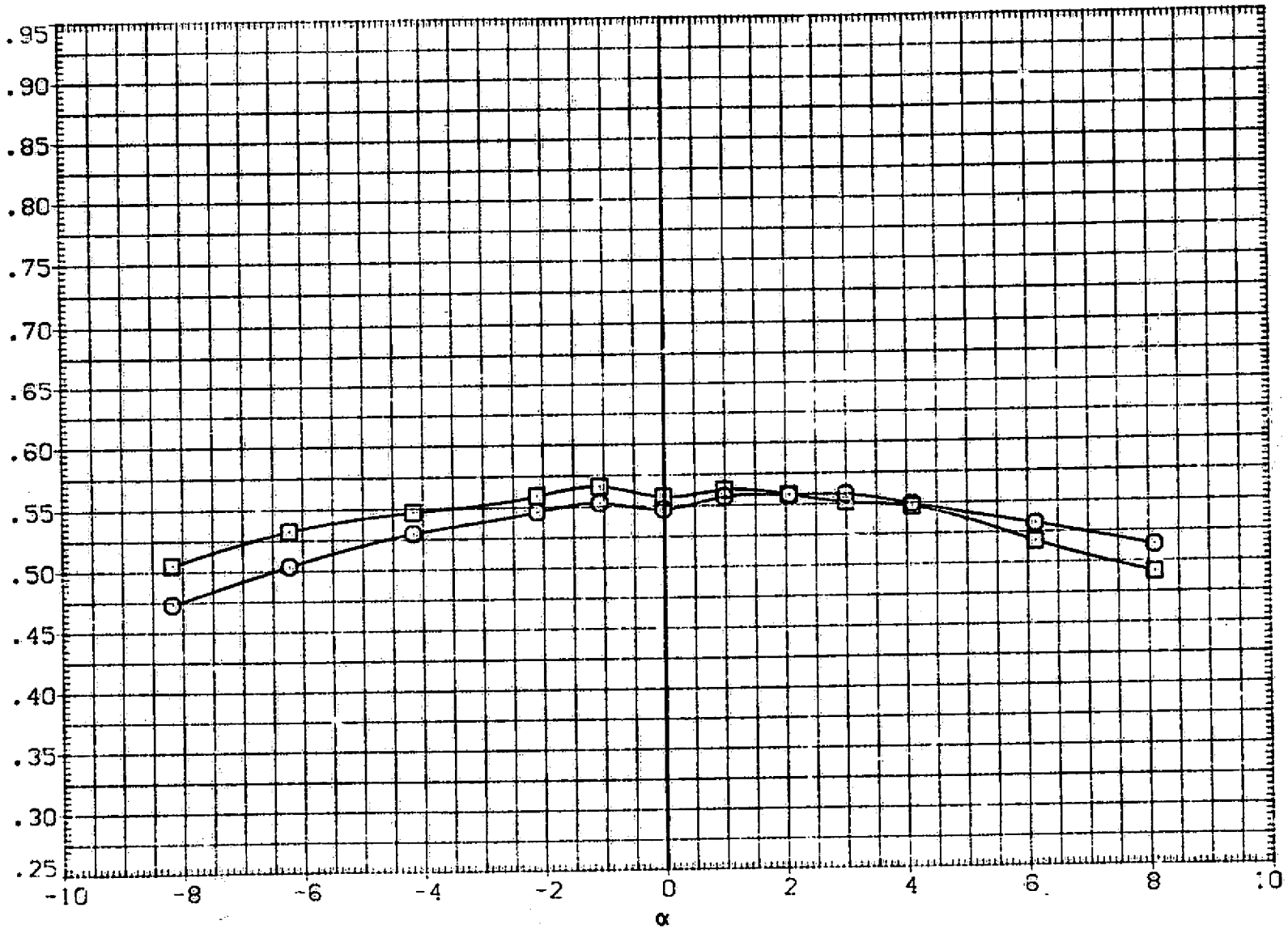


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.899	PHI	.000
□	CPSR				

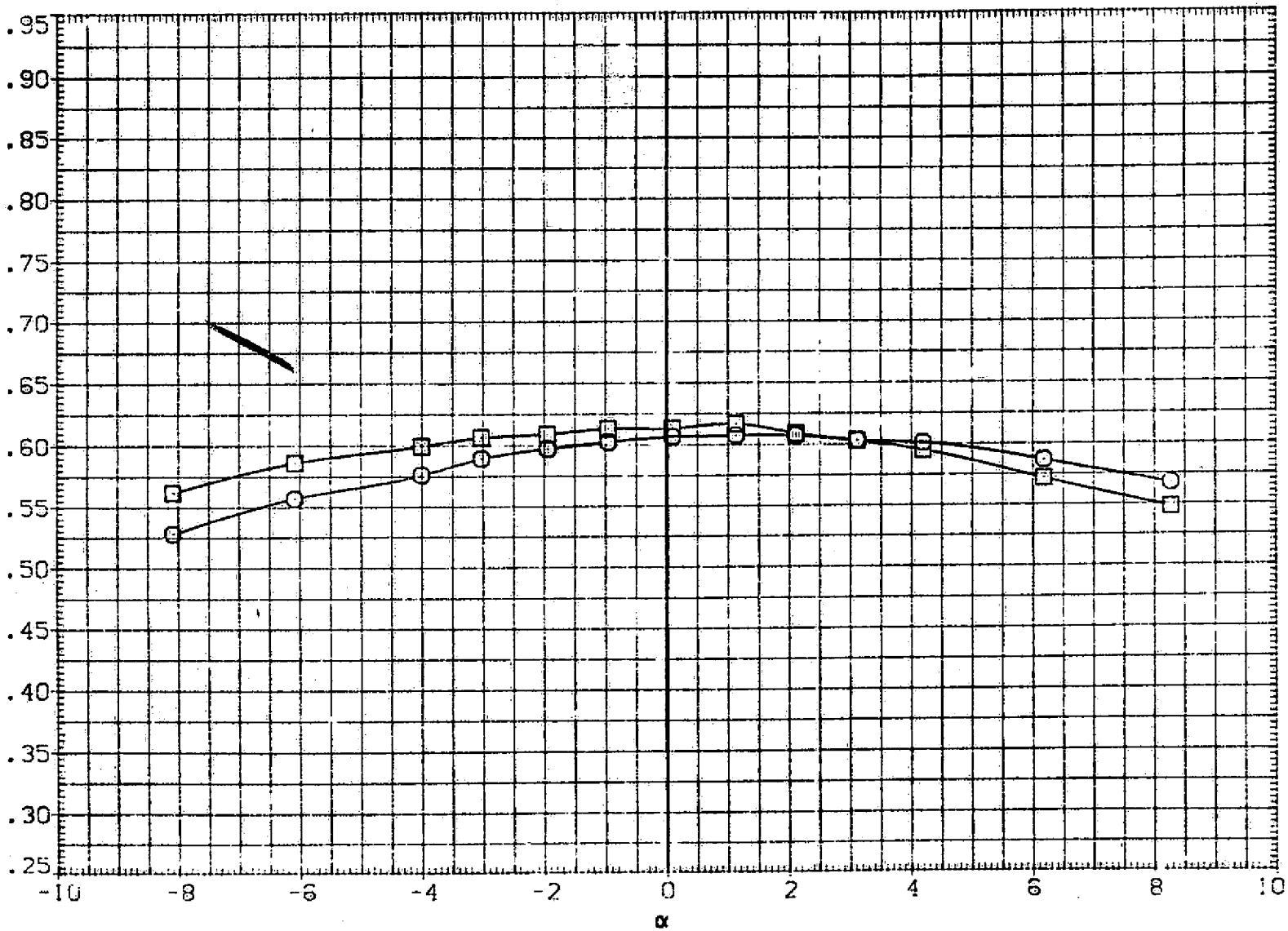


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY004) ARC14-143- (IA'37) T36 BICON. PROBE ALONE

SYMBOL	DATA		PARAMETRIC VALUES		
□	CPSL CPSR	MACH	.950	PHI	.000

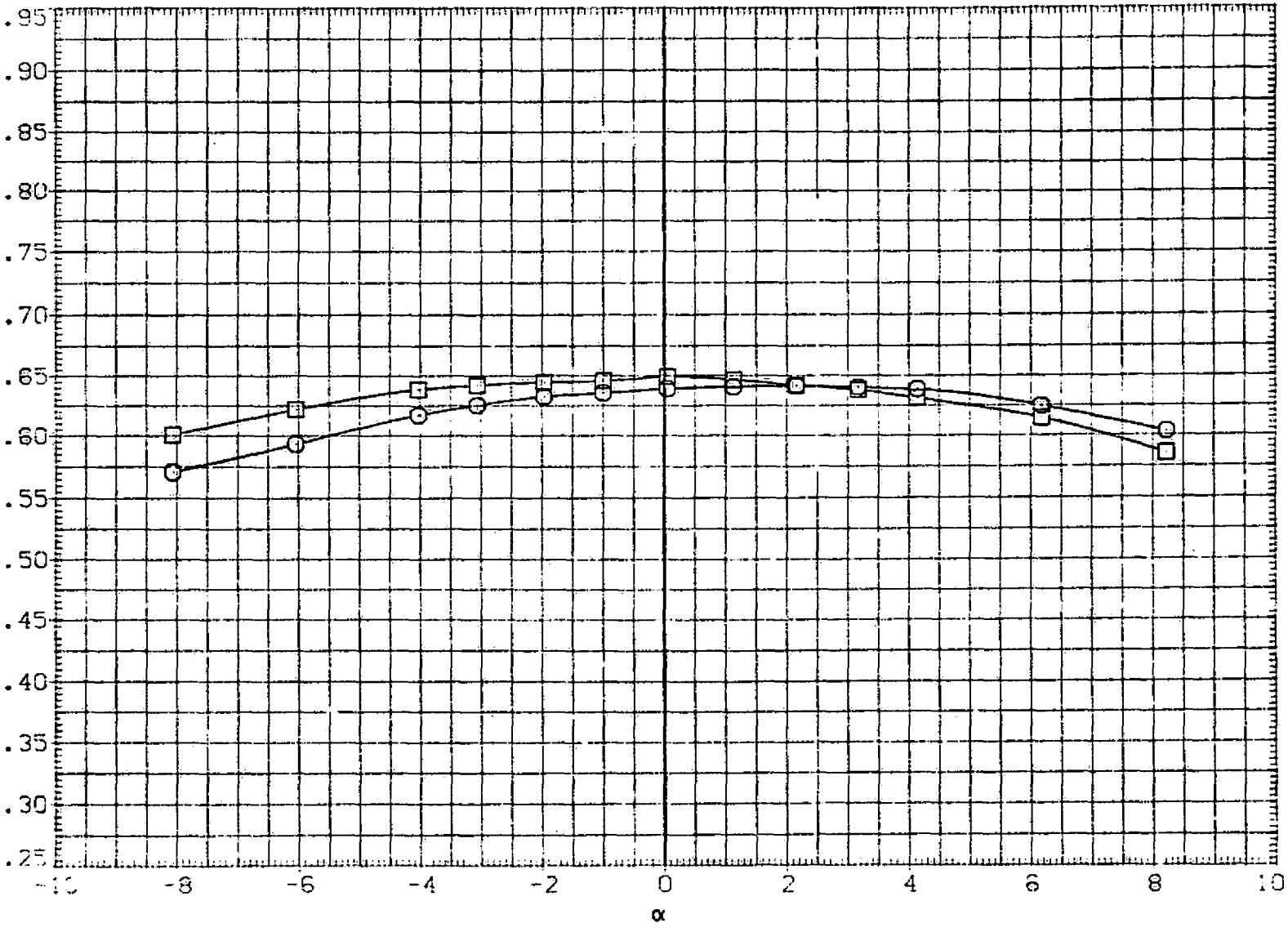


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA		PARAMETRIC VALUES		
□	CPSL CPSR	MACH	1.099	PHI	.000

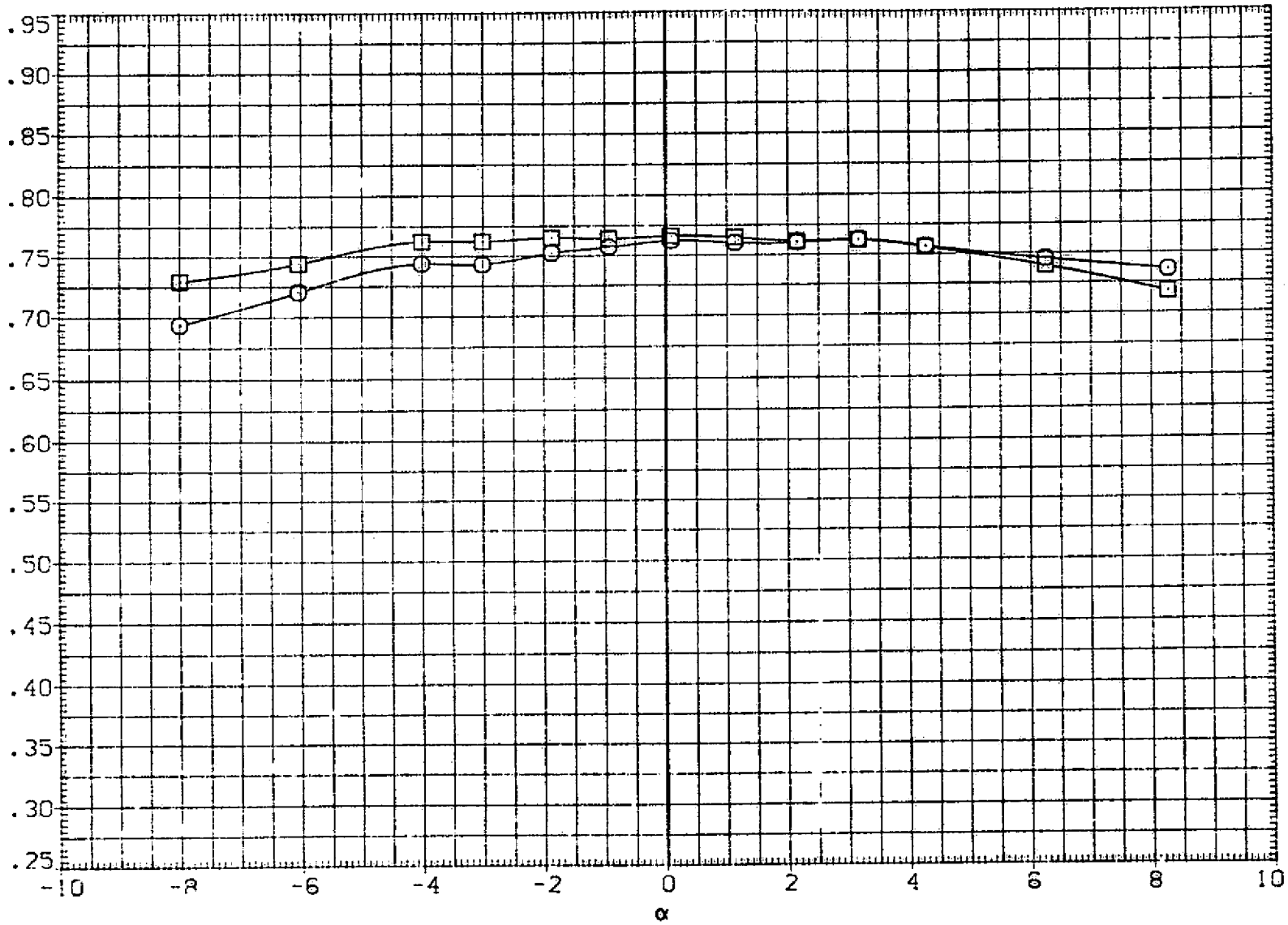


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI= 0 DEGREES

(RNY004) ARC14-143-1(IA137) T36 BICON. PROBE ALONE

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	1.152	PHI	.000
□	CPSR				

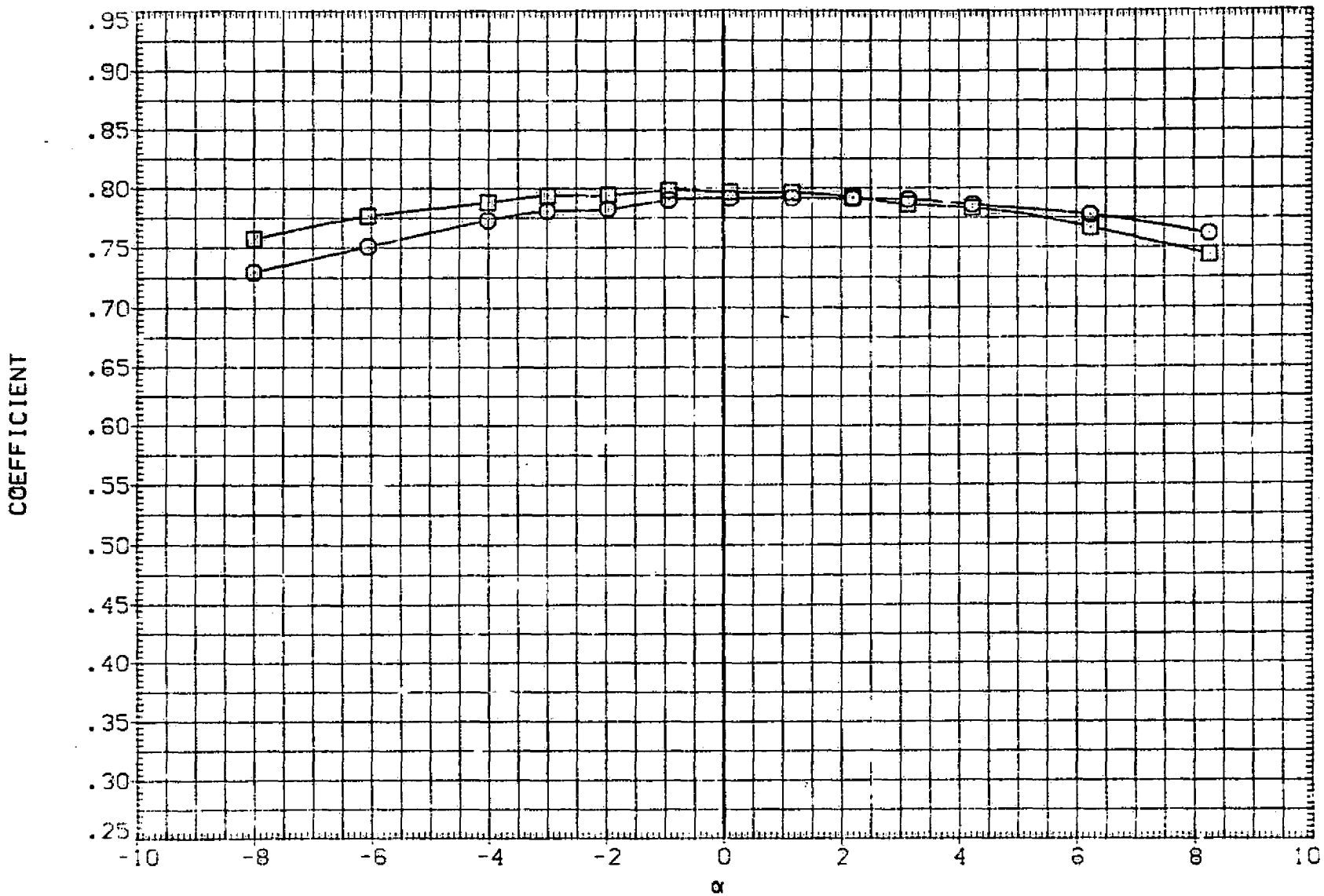


FIG.4 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI= 0 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.548	PHI	90.000
□	CPSU				
◇	CPSB				

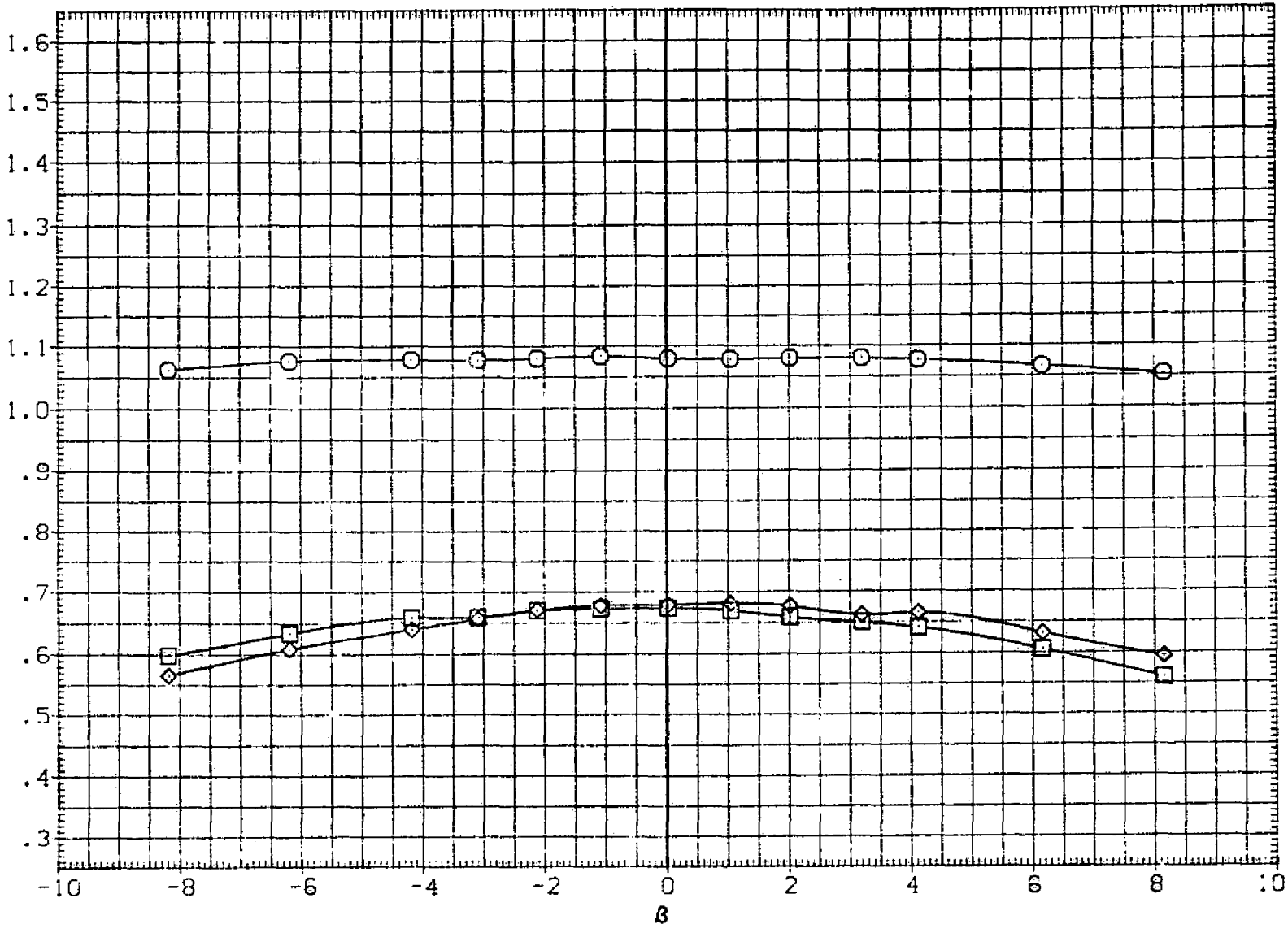


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.702	PHI	90.000
□	CPSU				
◇	CPSB				

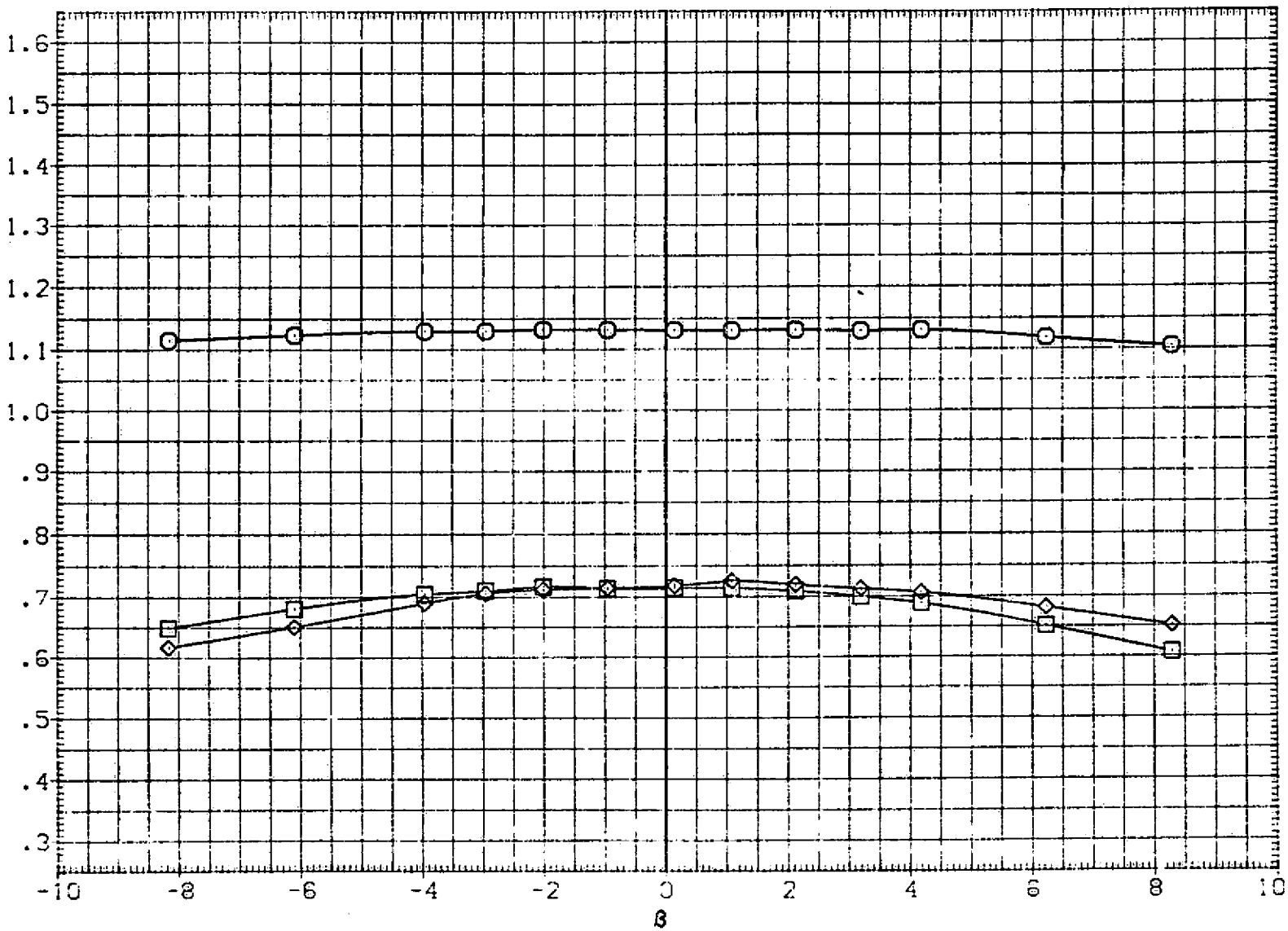


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.802	PHI	90.000
□	CPSU				
◇	CPSB				

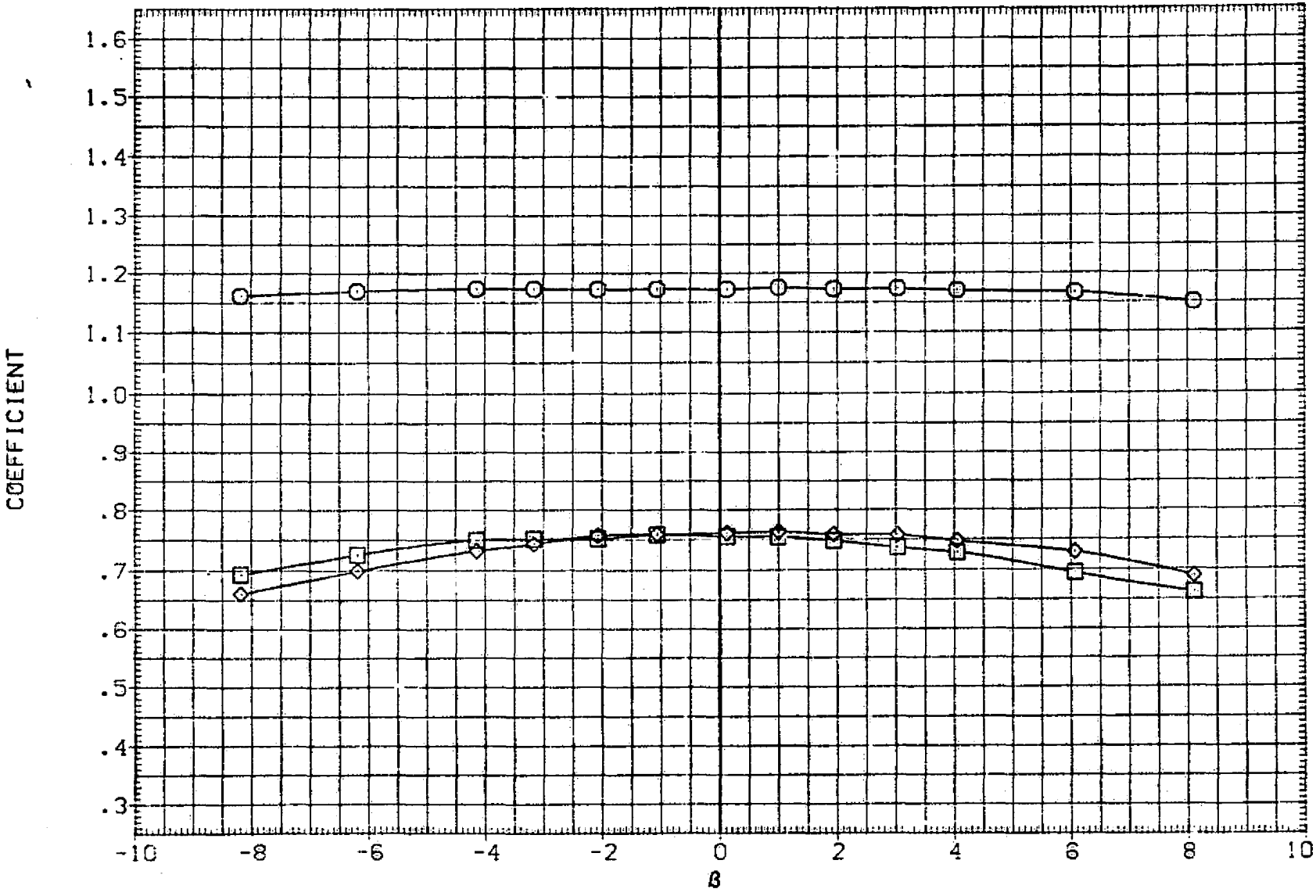


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36),331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.909	PHI	90.000
□	CPSU				
◇	CPSB				

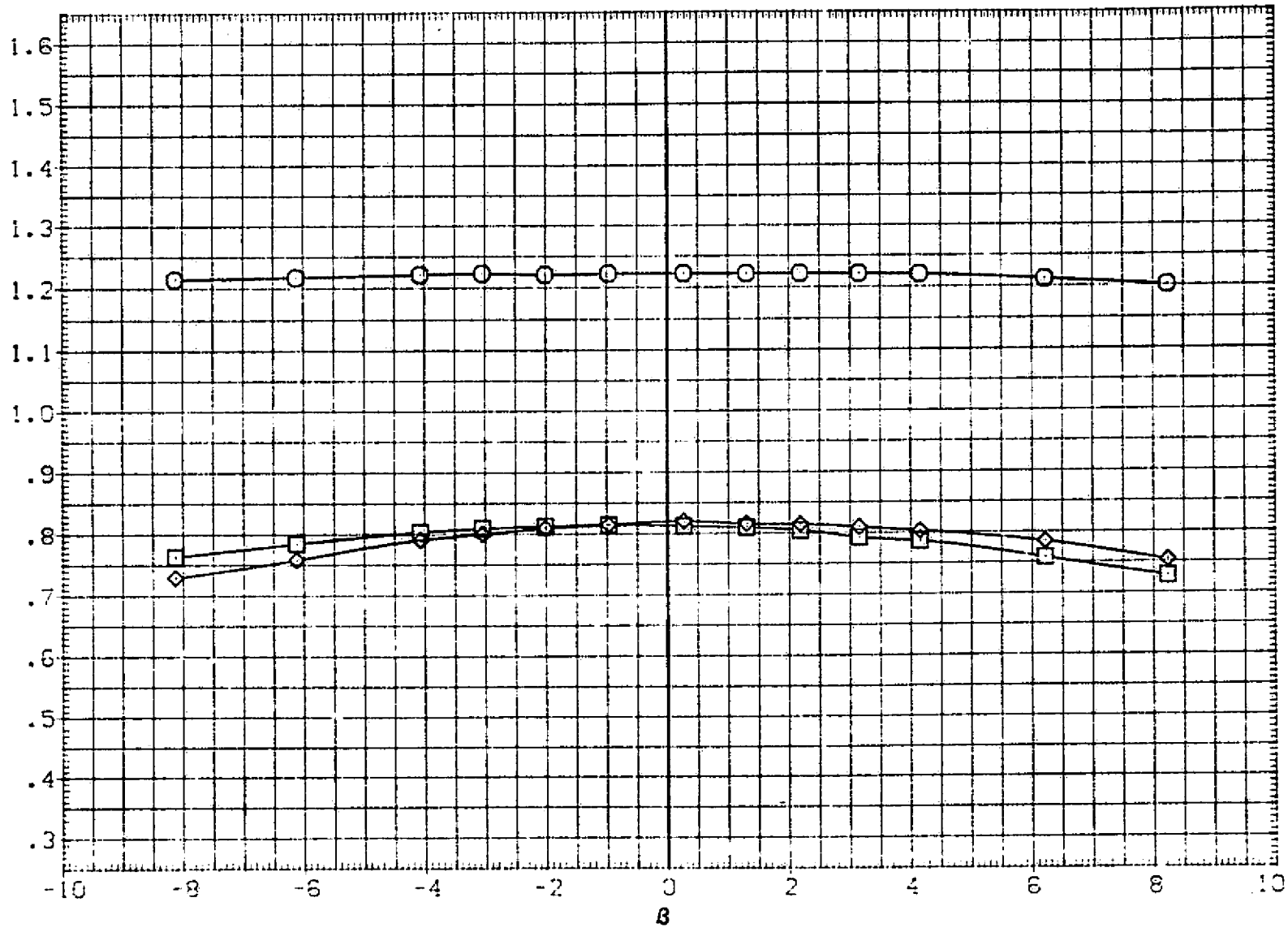


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.952	PHI	90.000
	CPSU				
	CPSB				

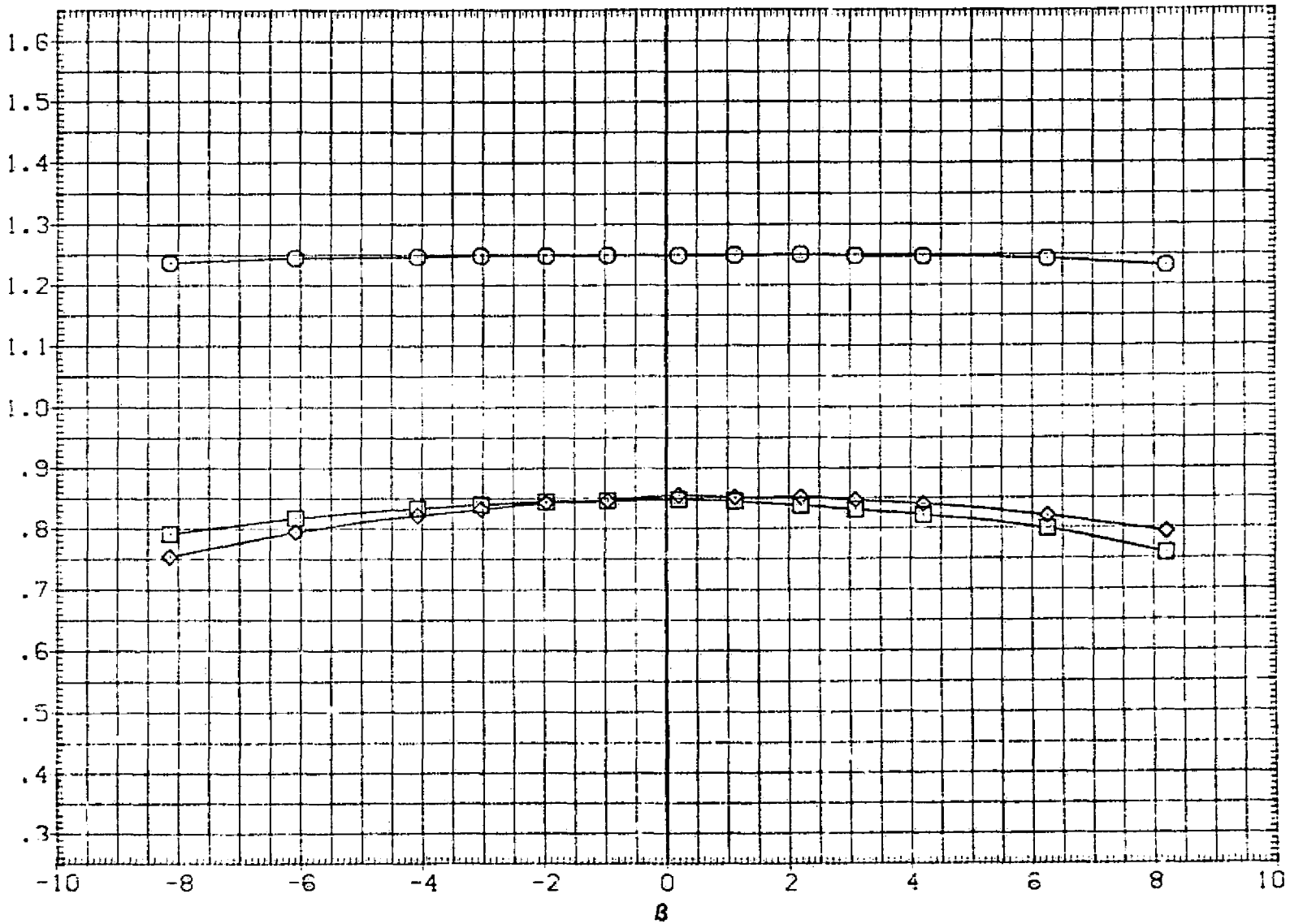


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○□	CPTB	MACH	1.049	PHI	90.000
◇	CPSU				
	CPSB				

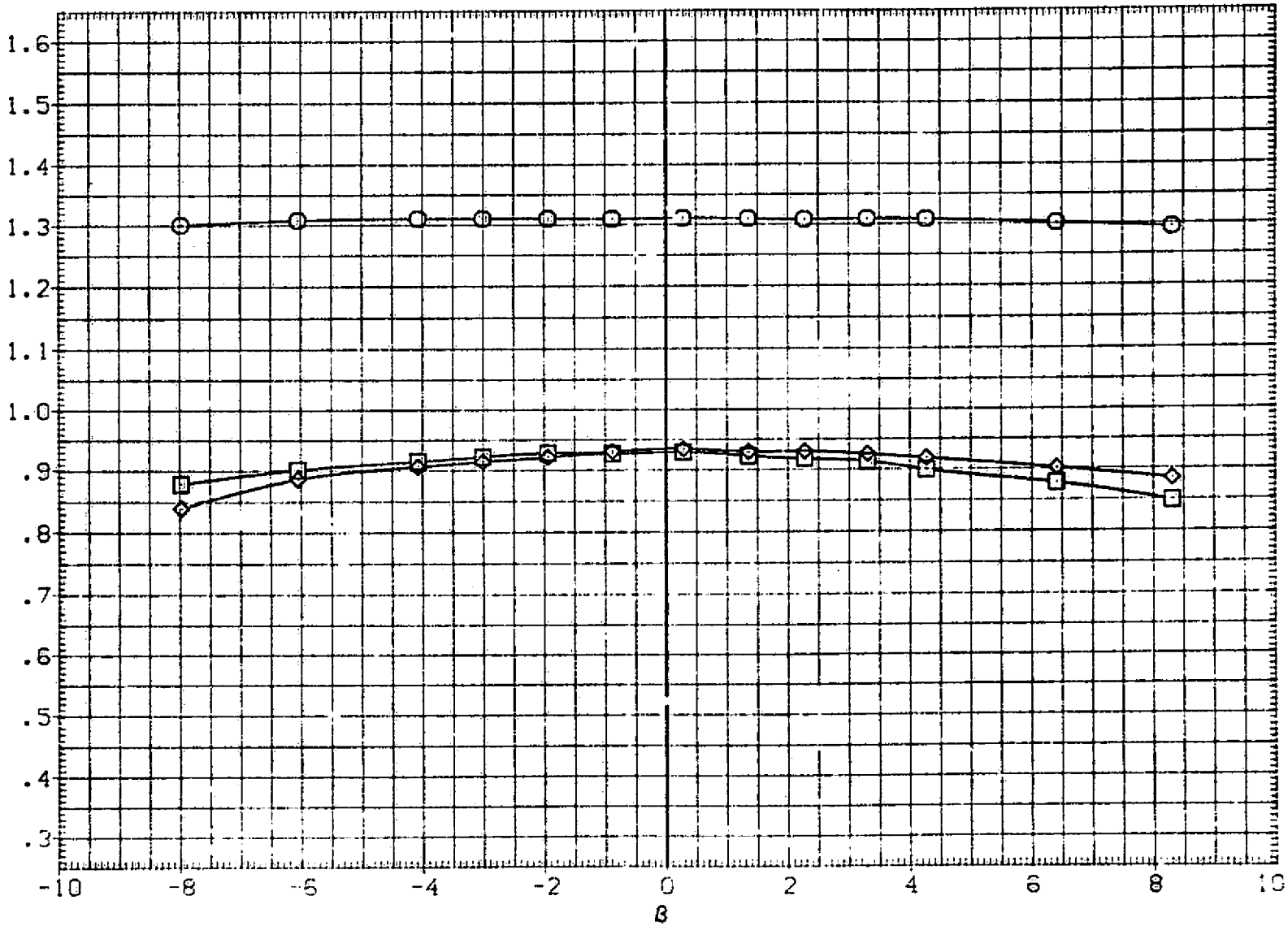


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇□	CPTB CPSU CPSB	MACH	1.105	PHI	90.000

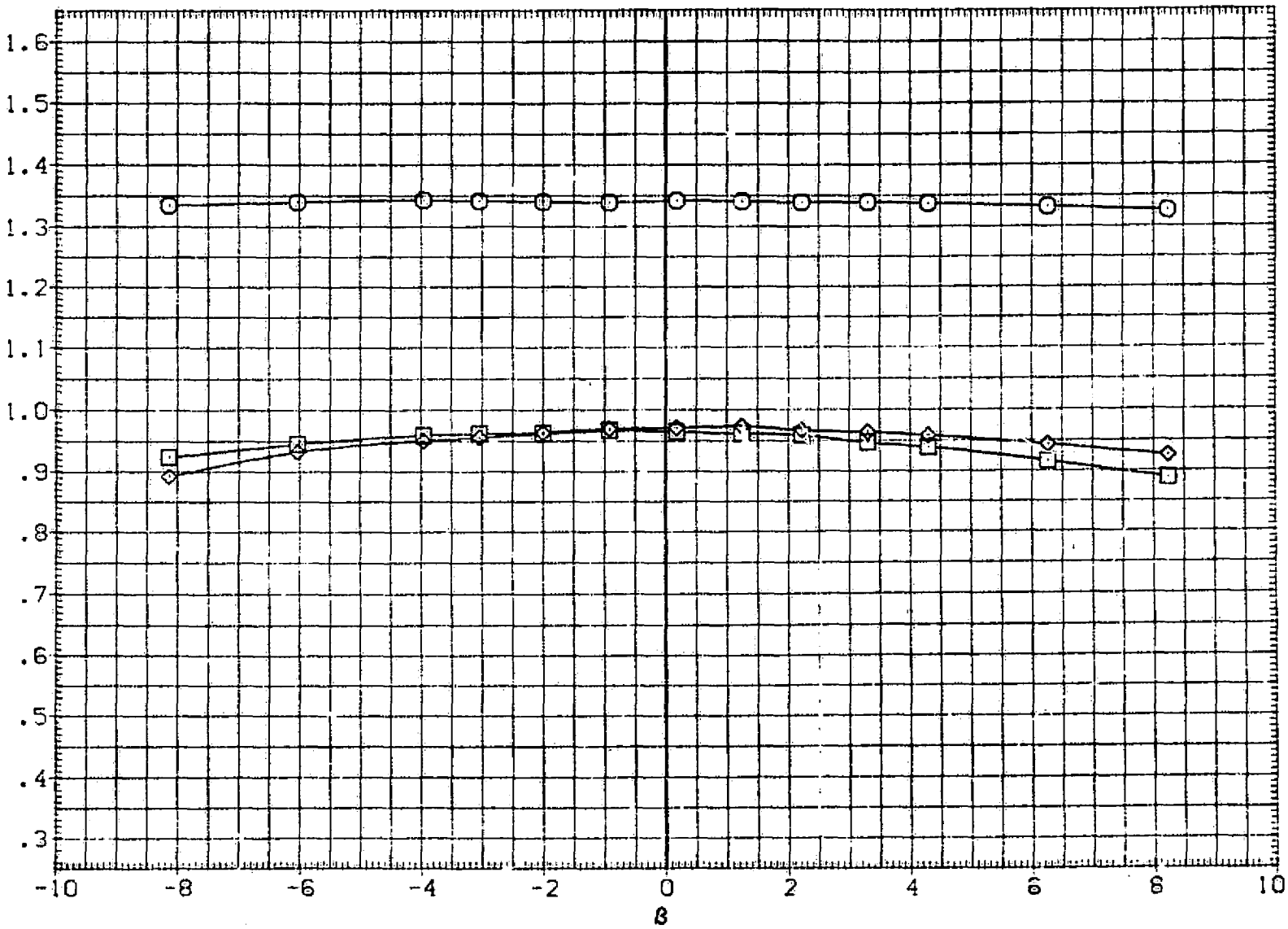


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36),331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.548	PHI	90.000
□	CPSR				

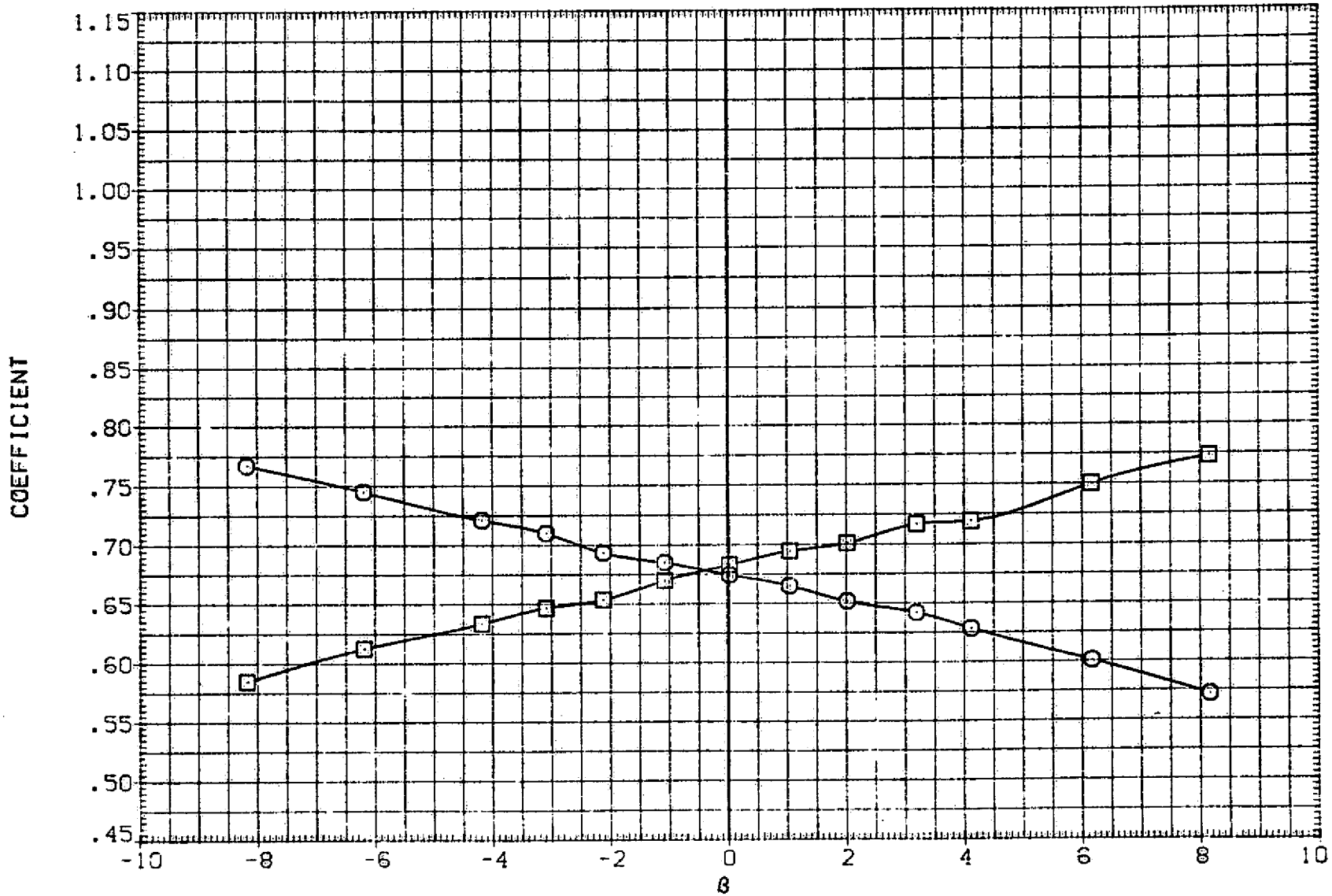


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.702	PHI	90.000
□	CPSR				

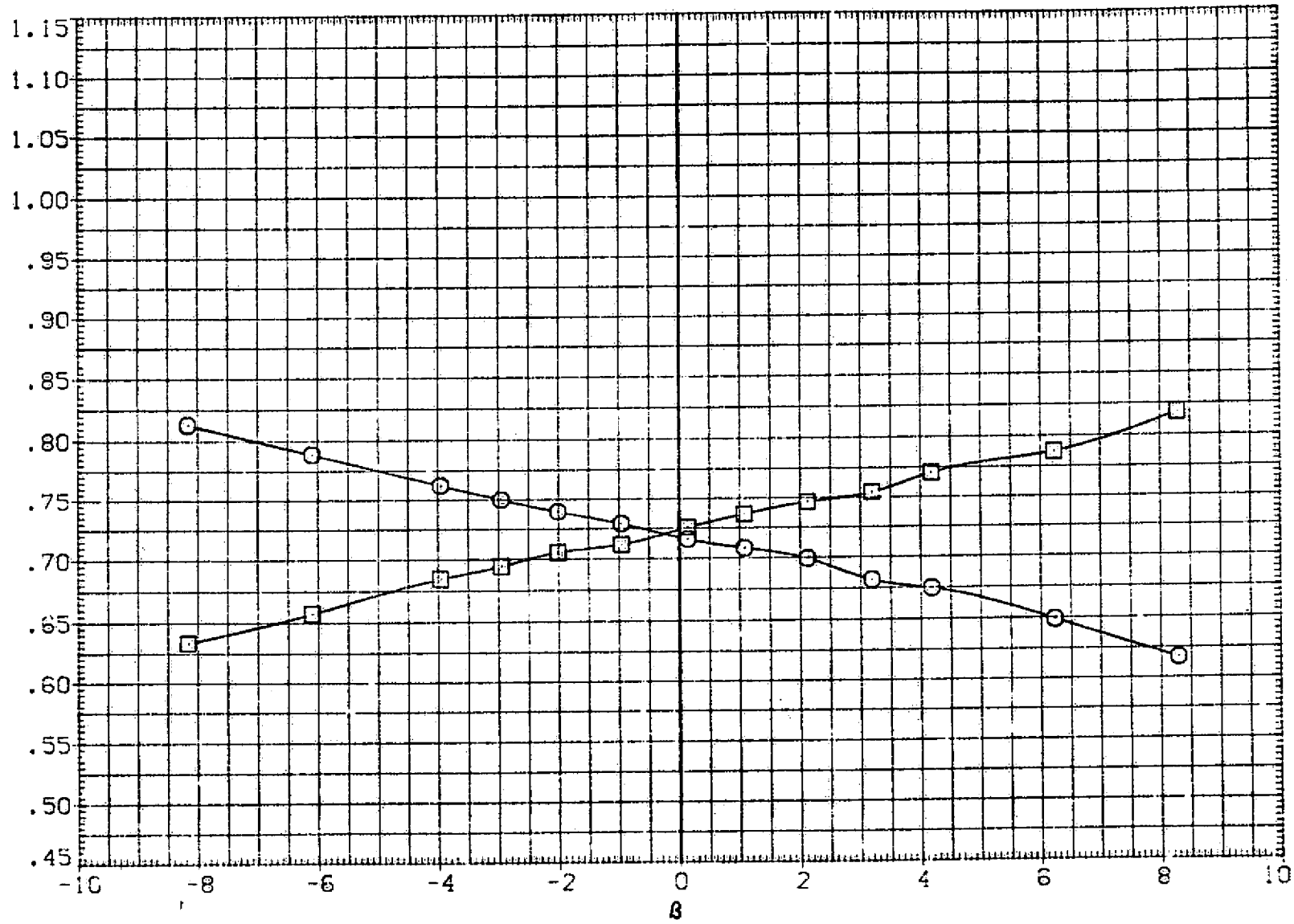


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.802	PHI	90.000
□	CPSR				

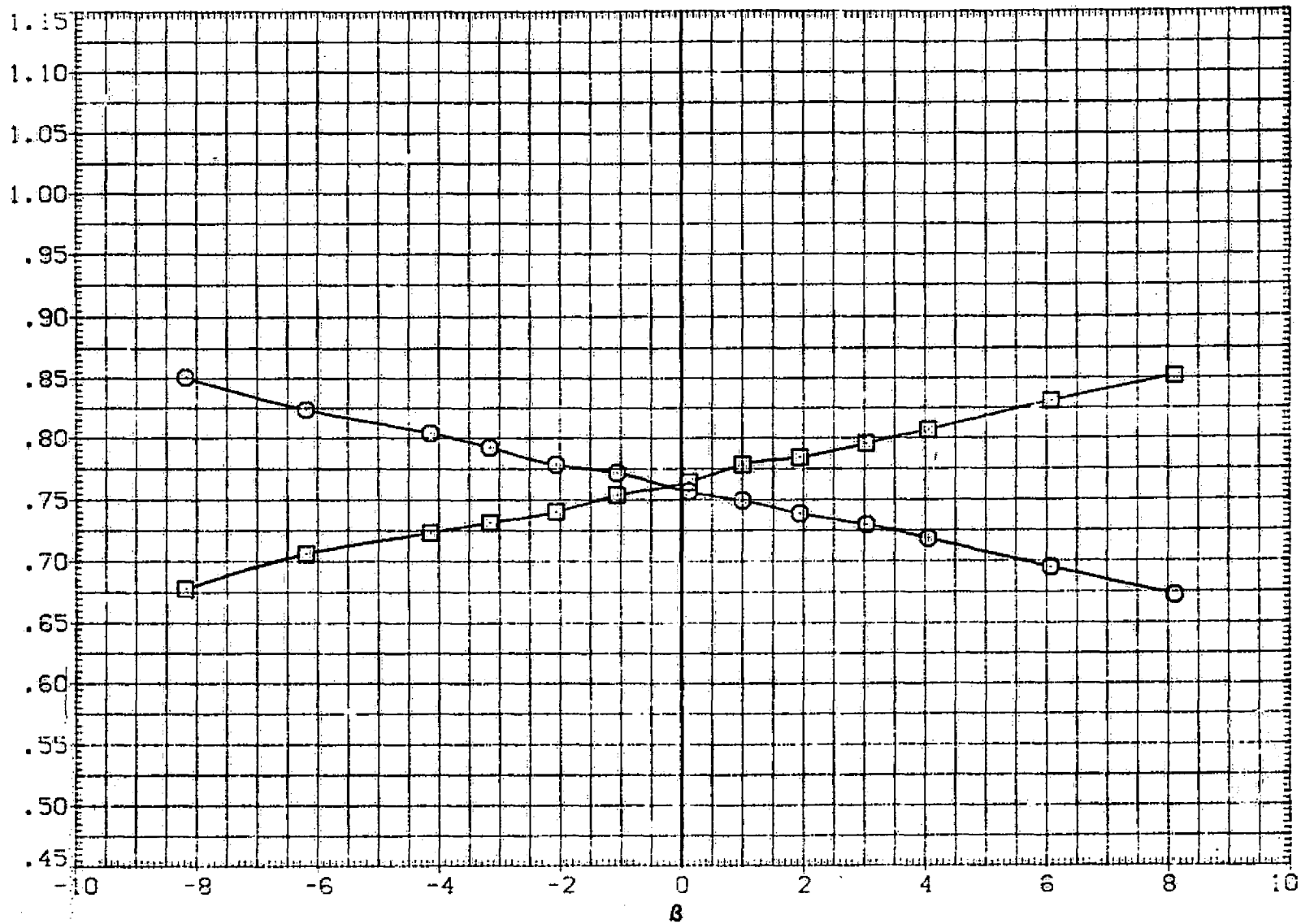


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.909	PHI	90.000
□	CPSR				

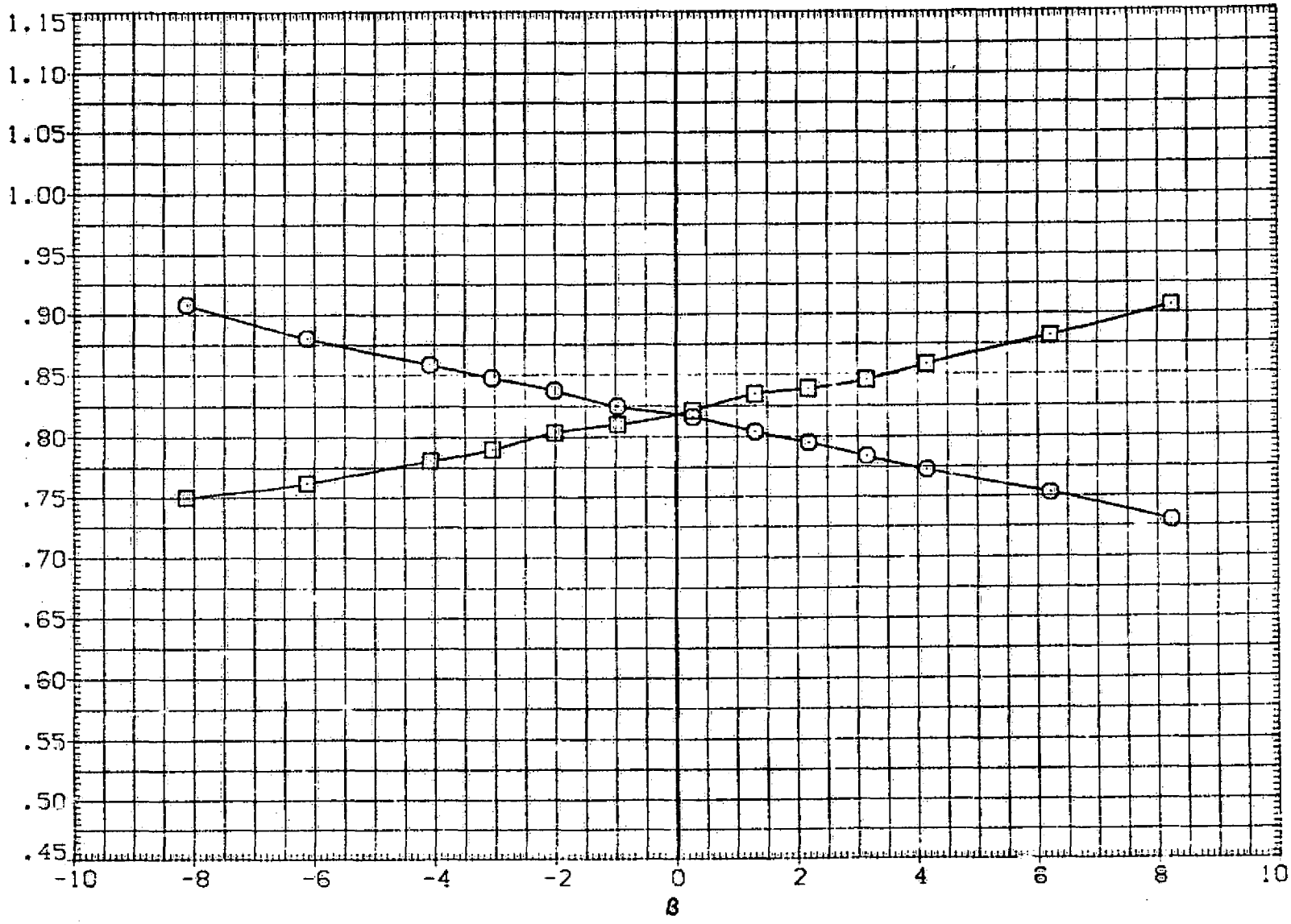


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	.952	PHI	90.000
□	CPSR				

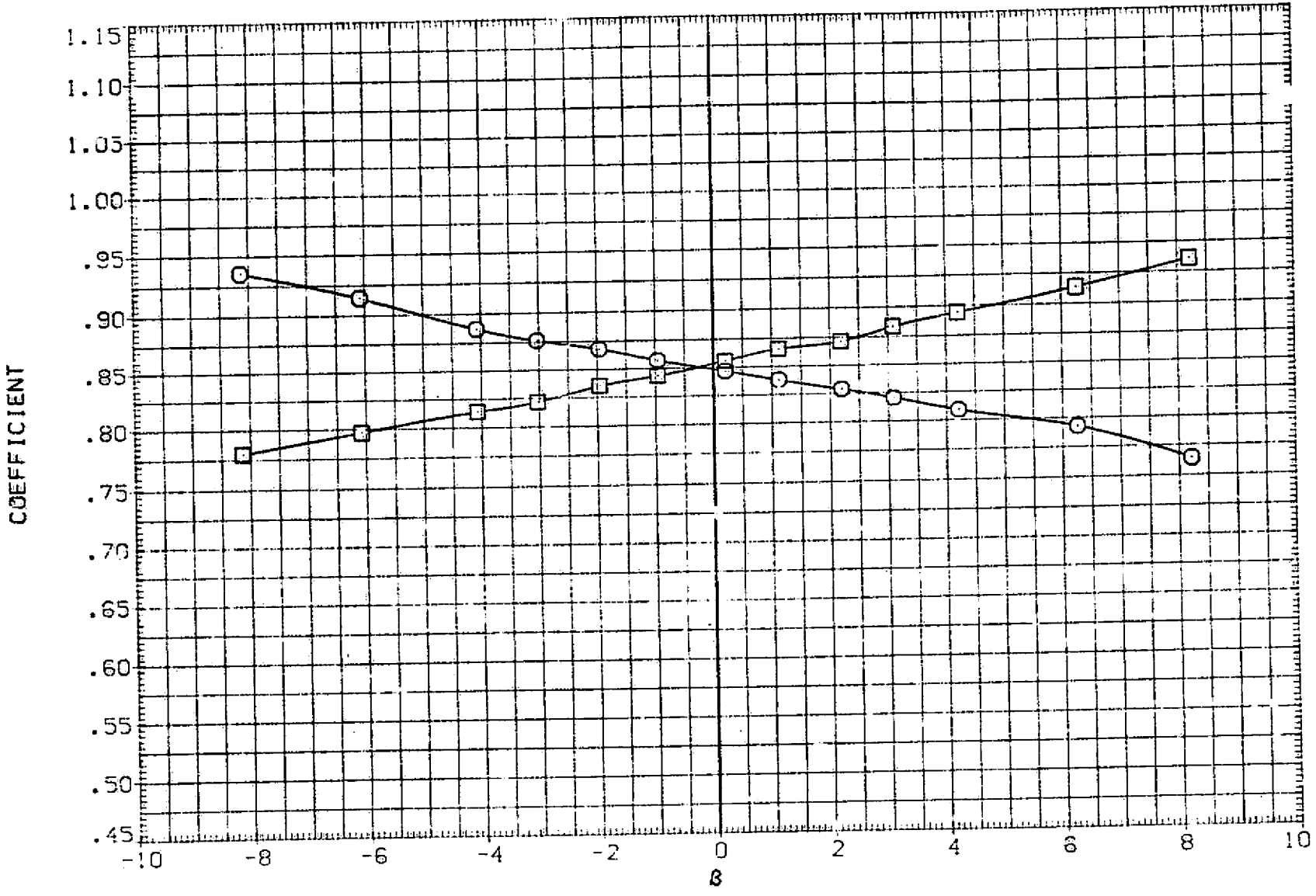


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	1.049	PHI	90.000
□	CPSR				

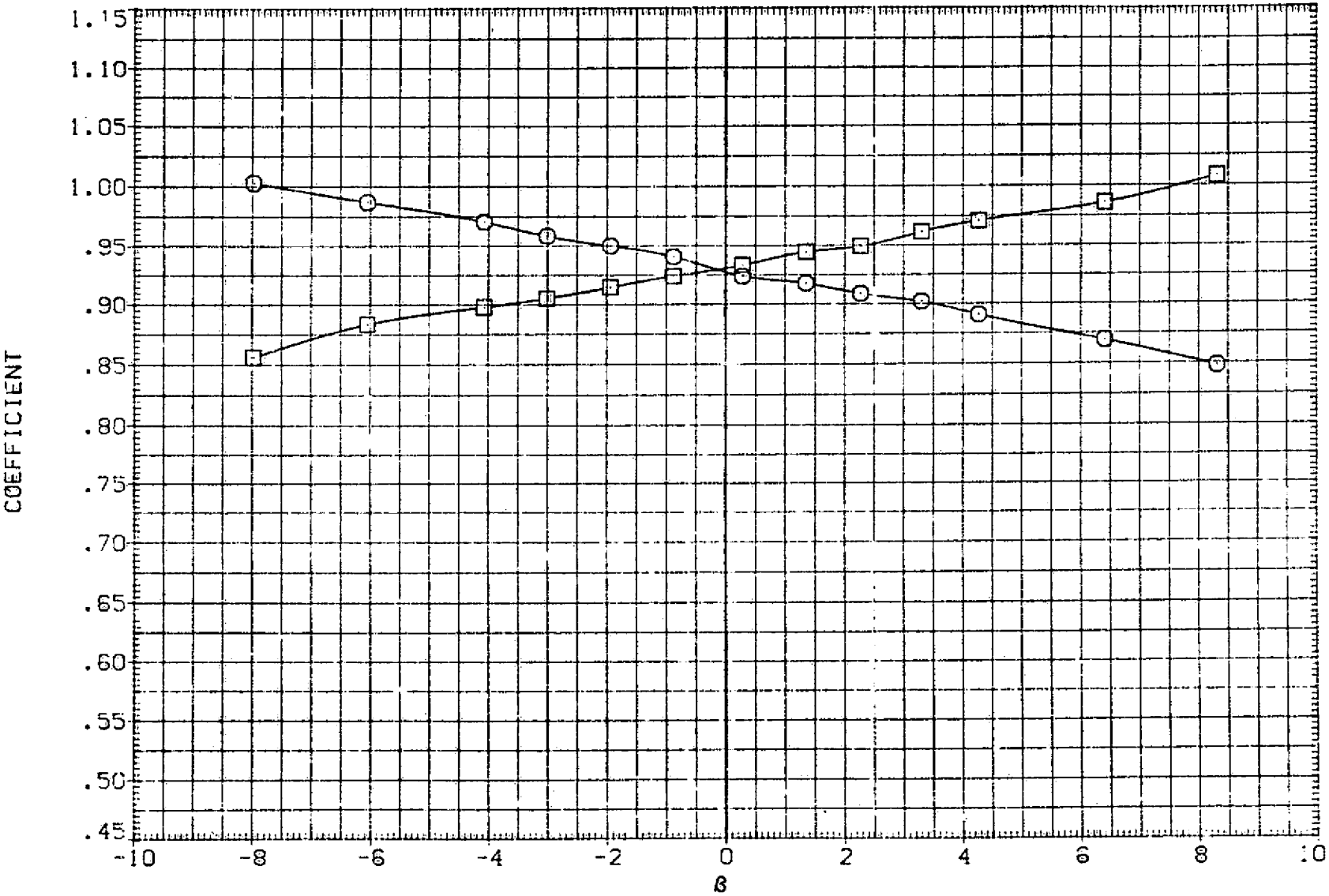


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137) TANK(T36).331 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	1.105	PHI	90.000
□	CPSR				

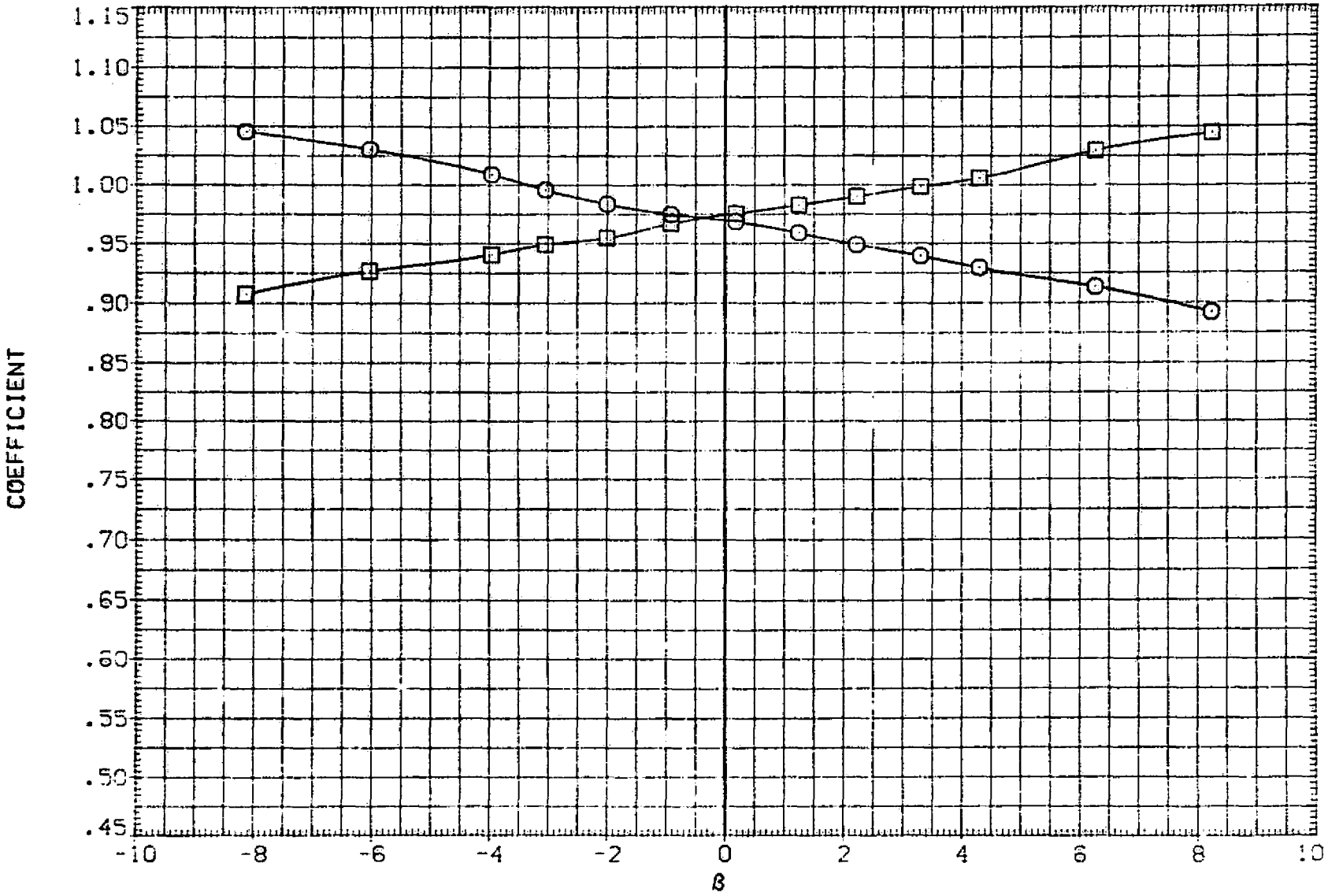


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇□	CPTB CPSU CPSB	MACH	.550	PHI	90.000

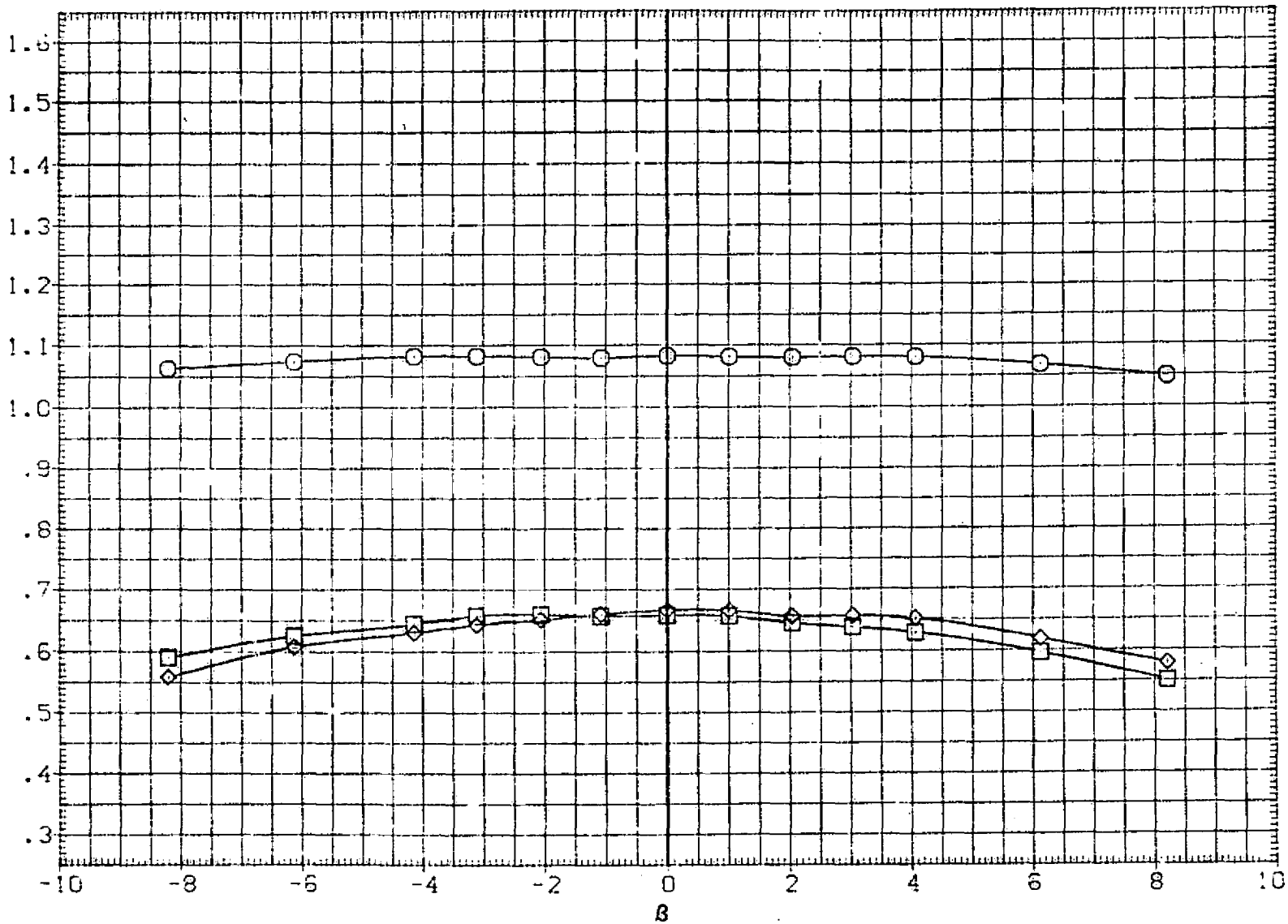


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36),264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇□○	CPTB CPSU CPSB	MACH	.701	PHI	90.000

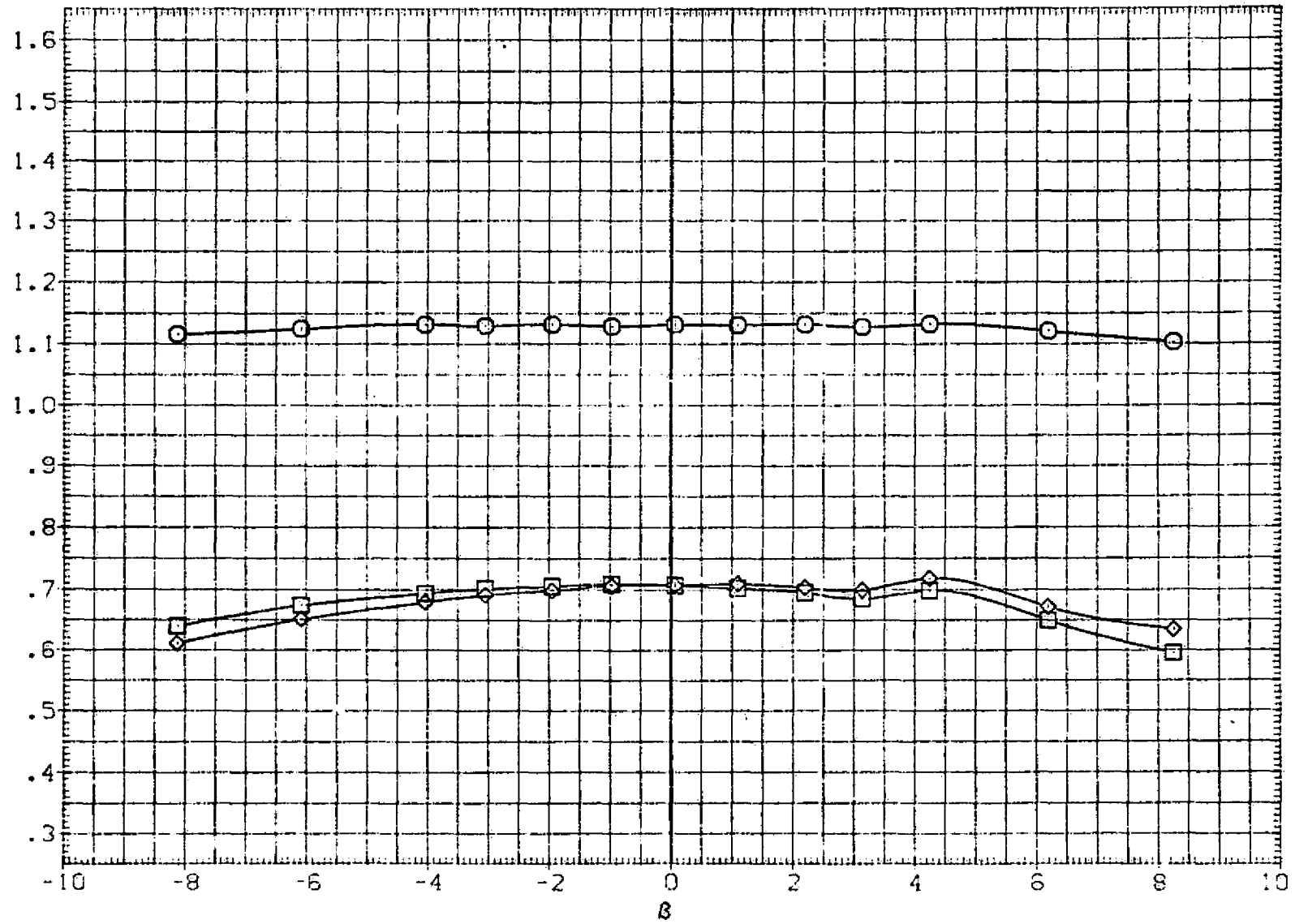


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.805	PHI	90.000
□	CPSU				
◇	CPSB				

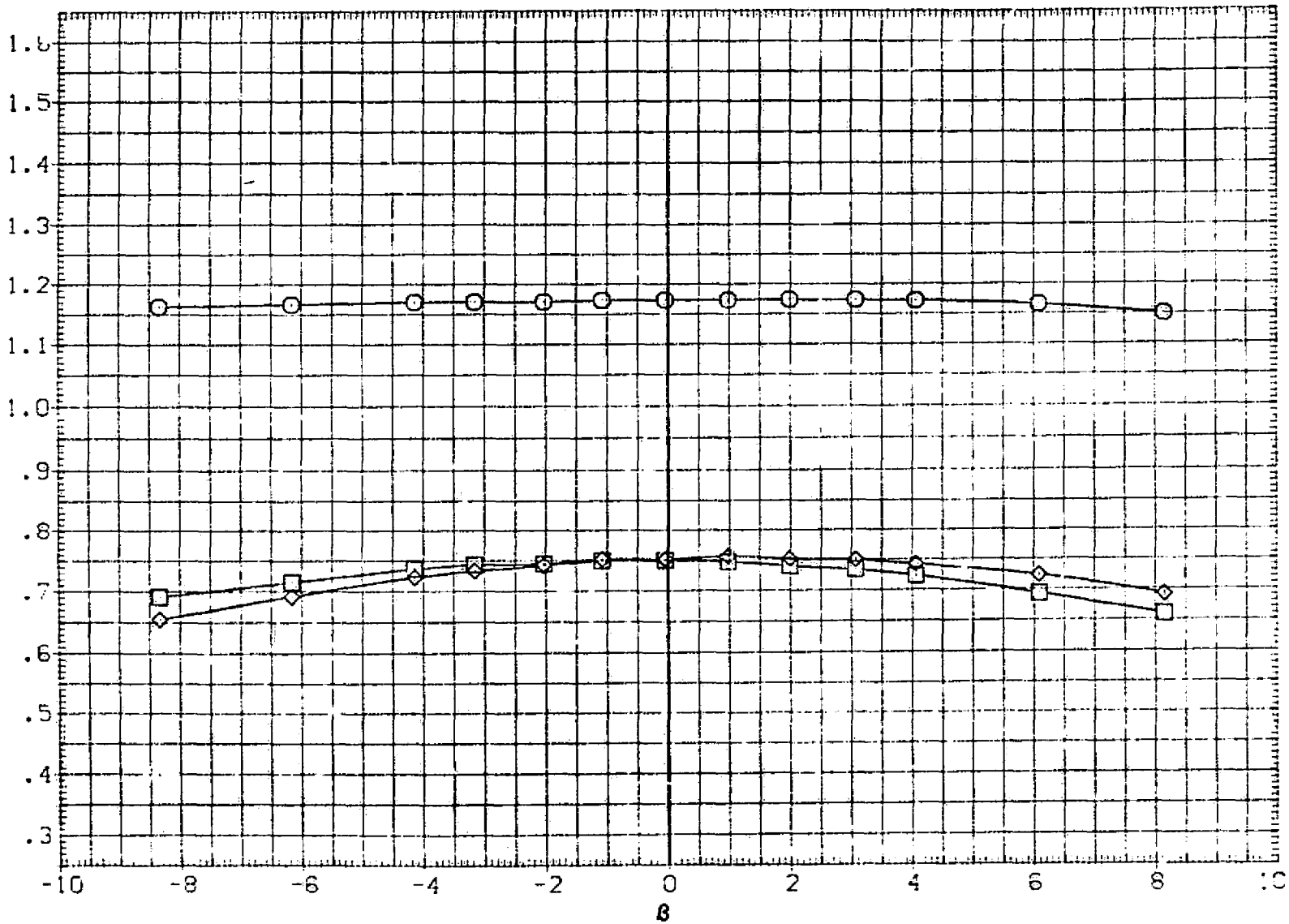


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇	CPTB	MACH	.901	PHI	90.000
	CPSU				
	CPSB				

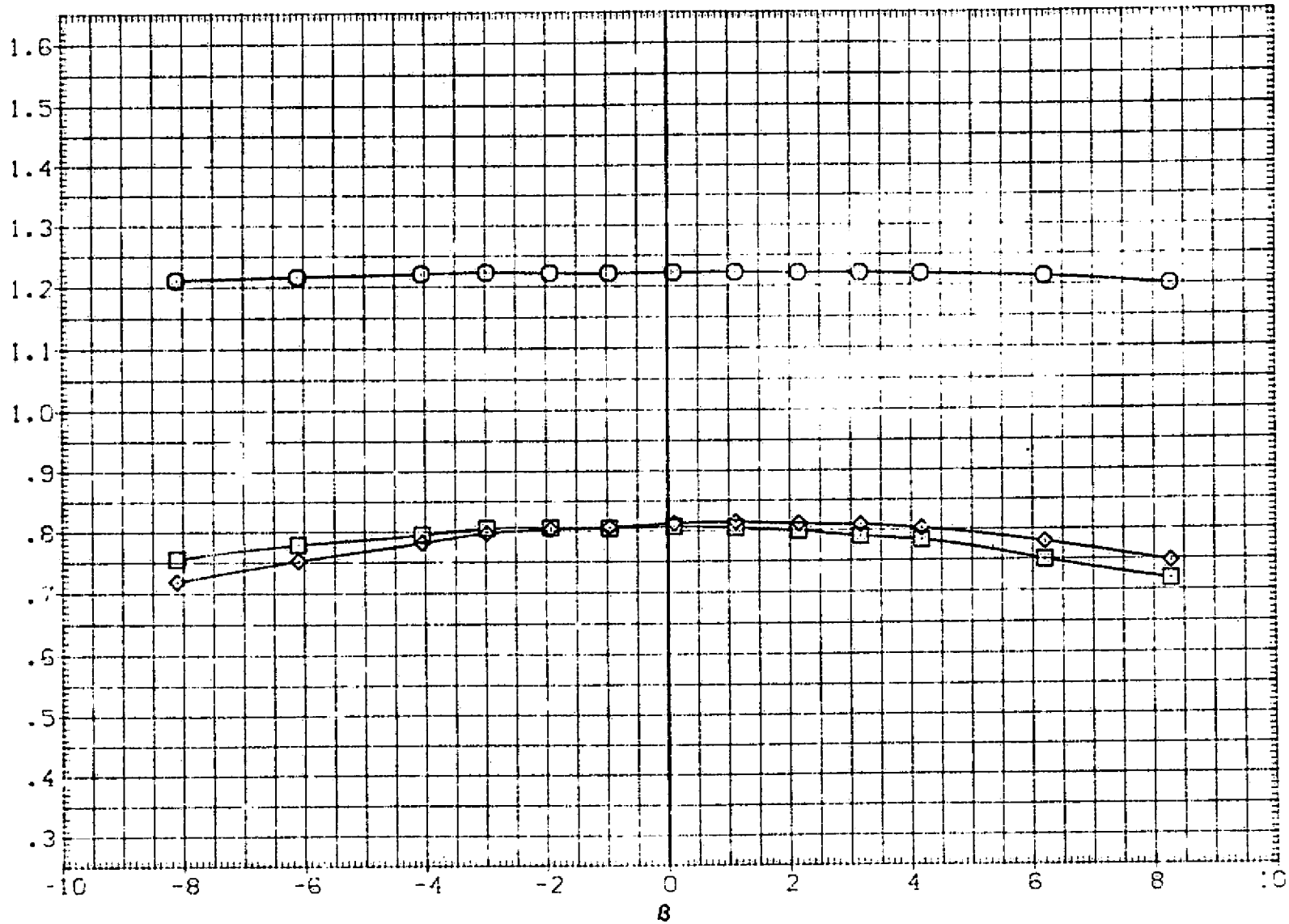


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPTB	MACH	.952	PHI	90.000
◇	CPSU				
	CPSB				

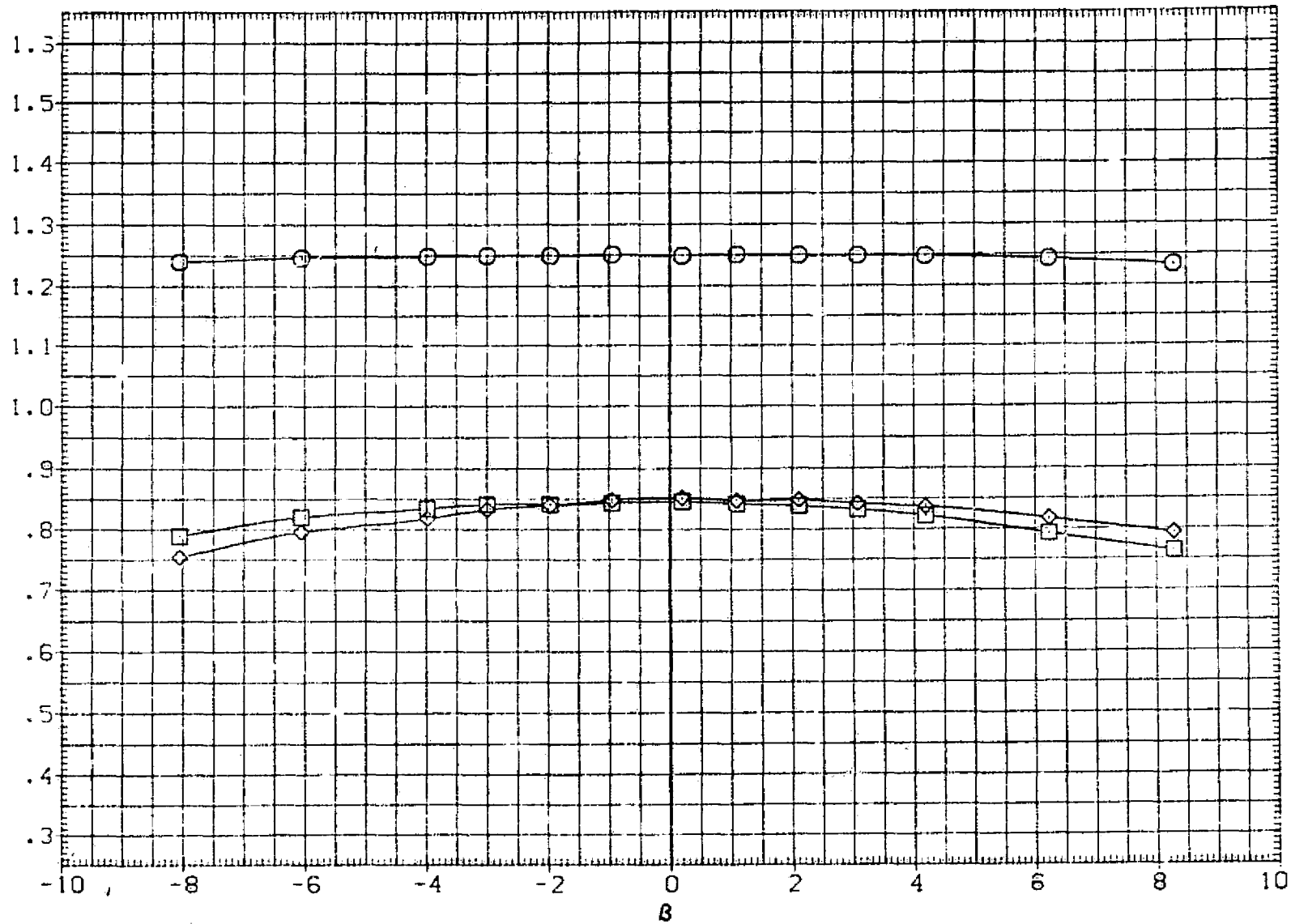


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
◇□	CPTB CPSU CPSB	MACH	1.102	PHI	90.000

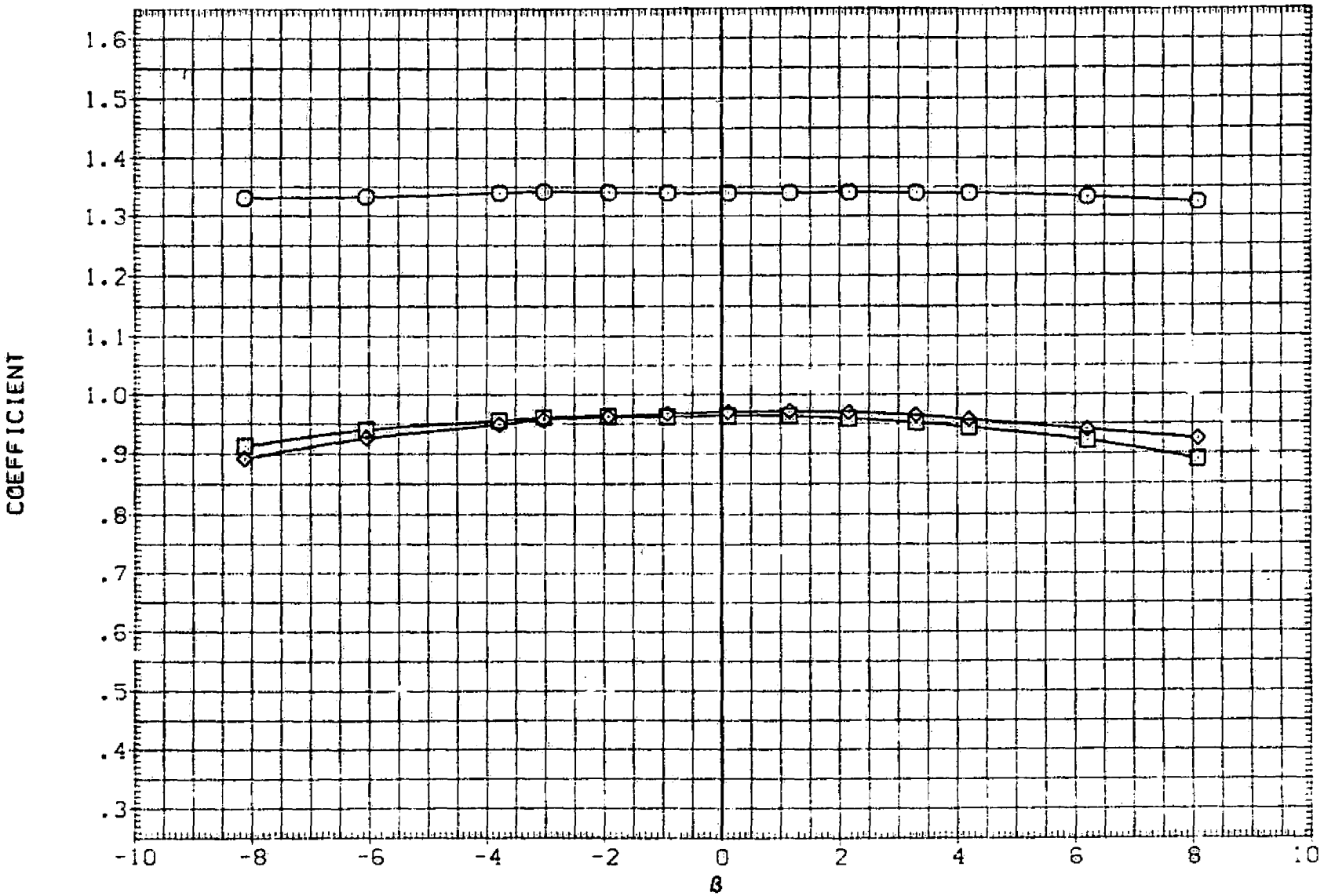


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	.550	PHI	90.000
□	CPSR				

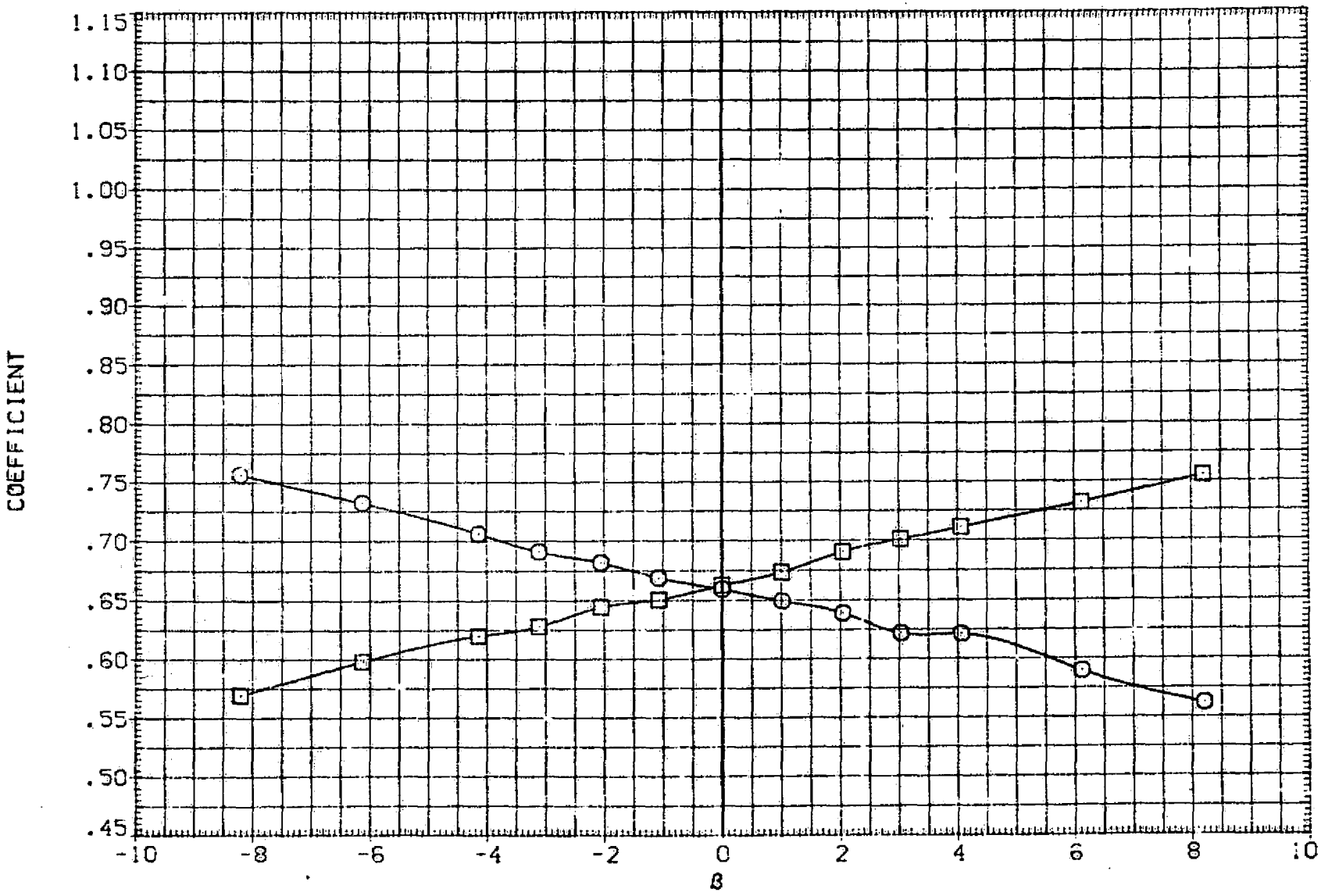


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	.701	PHI	90.000
□	CPSR				

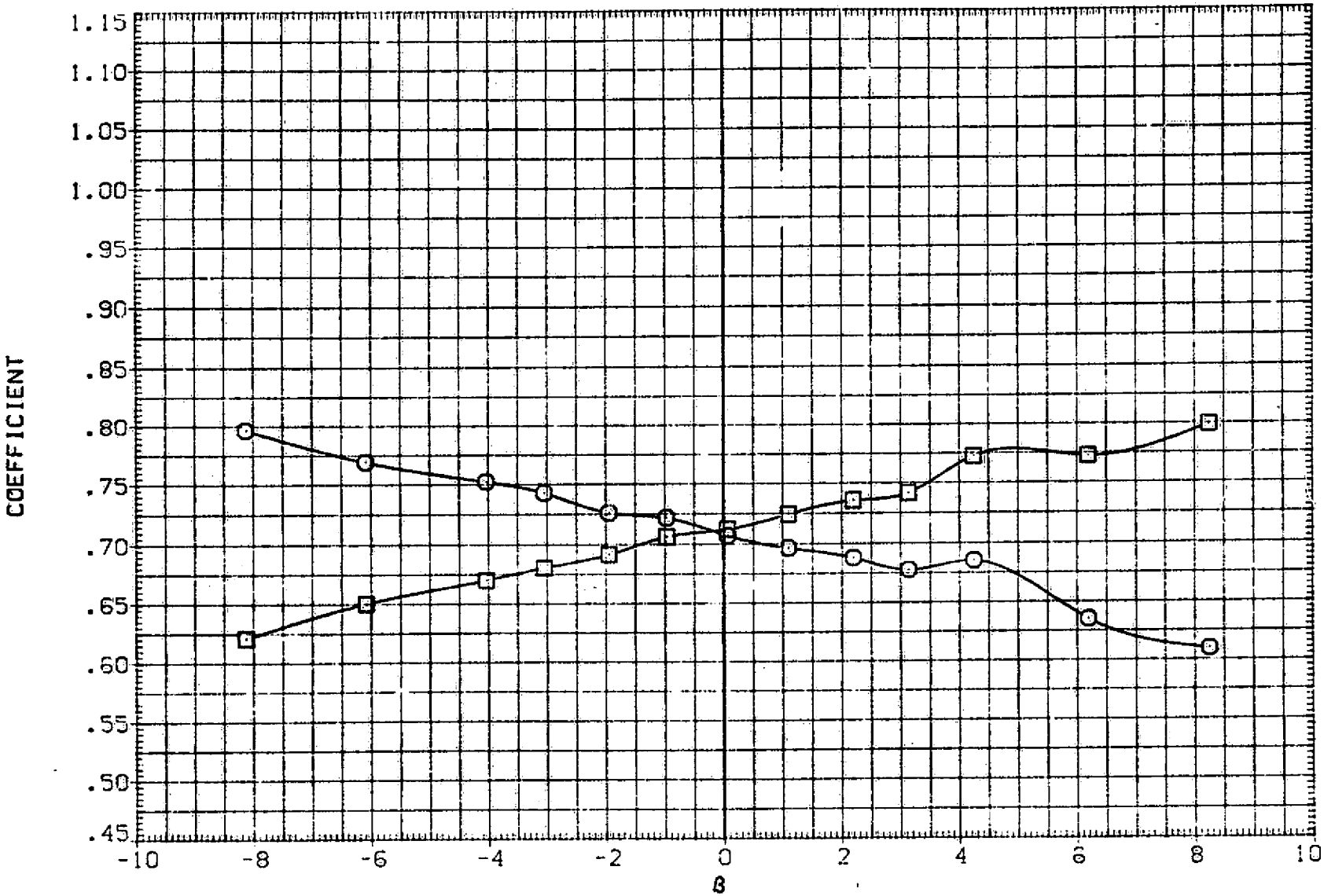


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNYOOC) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA		PARAMETRIC VALUES		
○	CPSI	MACH	.805	PHI	90.000
□	CPSR				

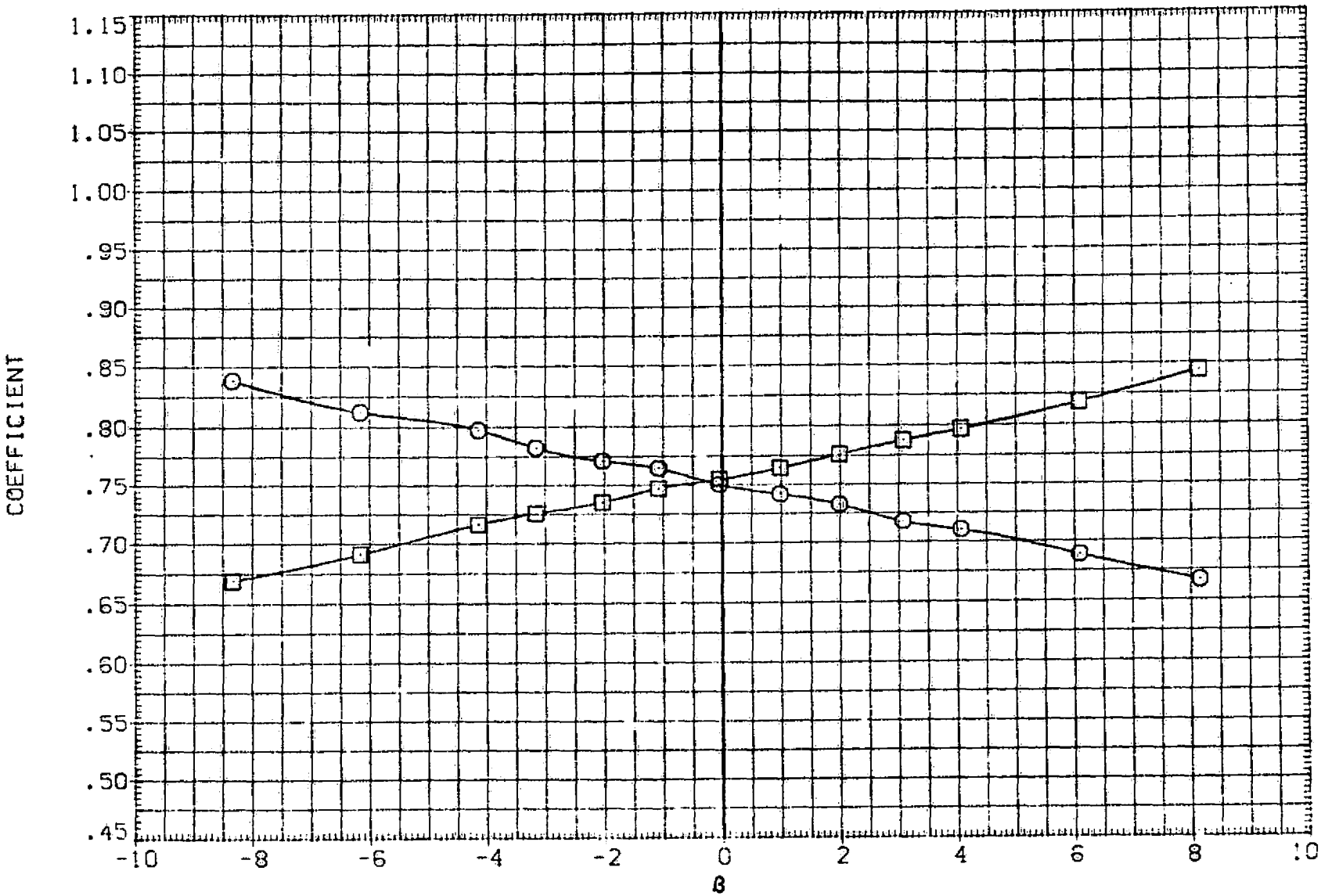


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36),264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	.901	PHI	90.000
	CPSR				

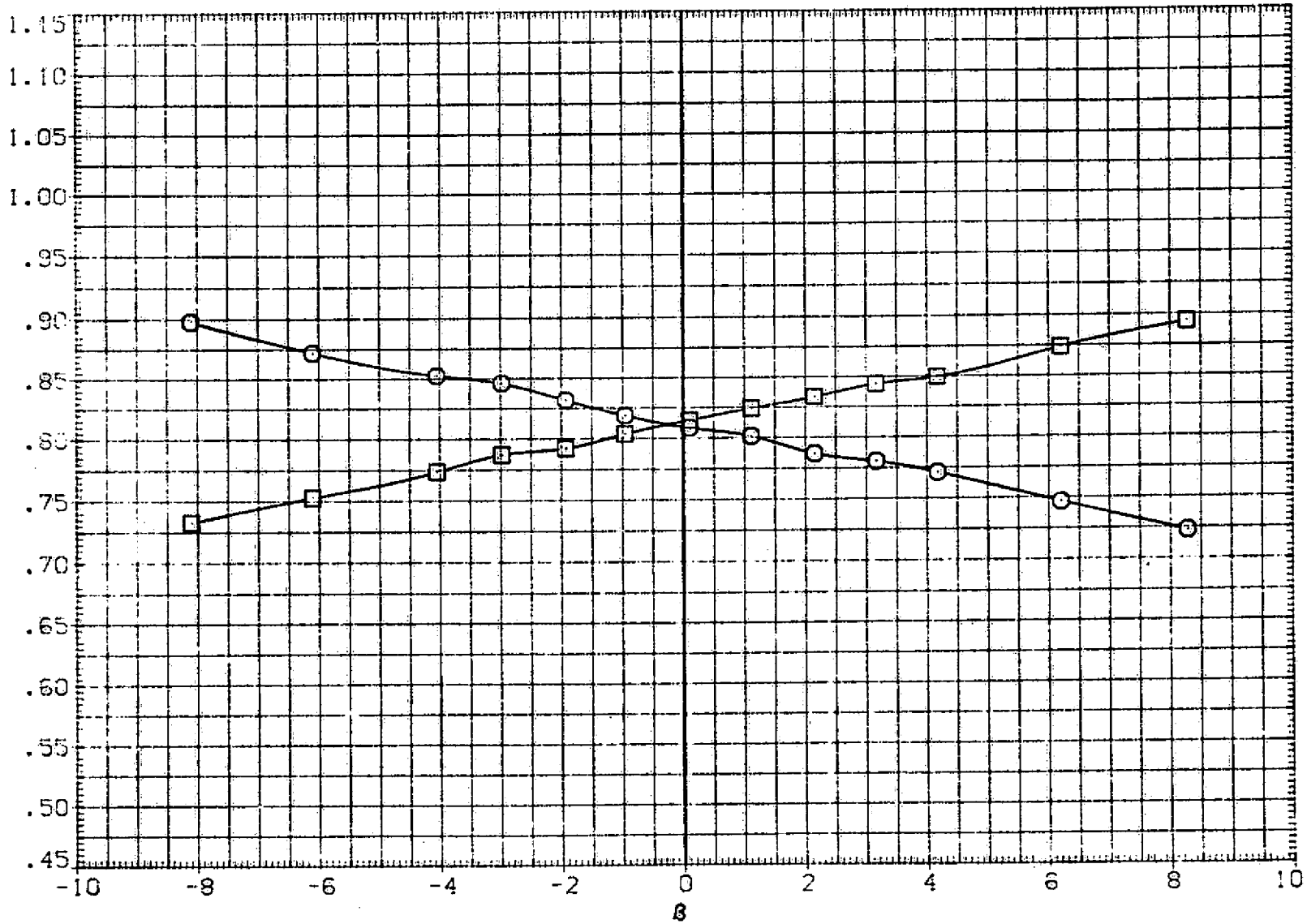


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL	MACH	.952	PHI	90.000
○	CPSR				

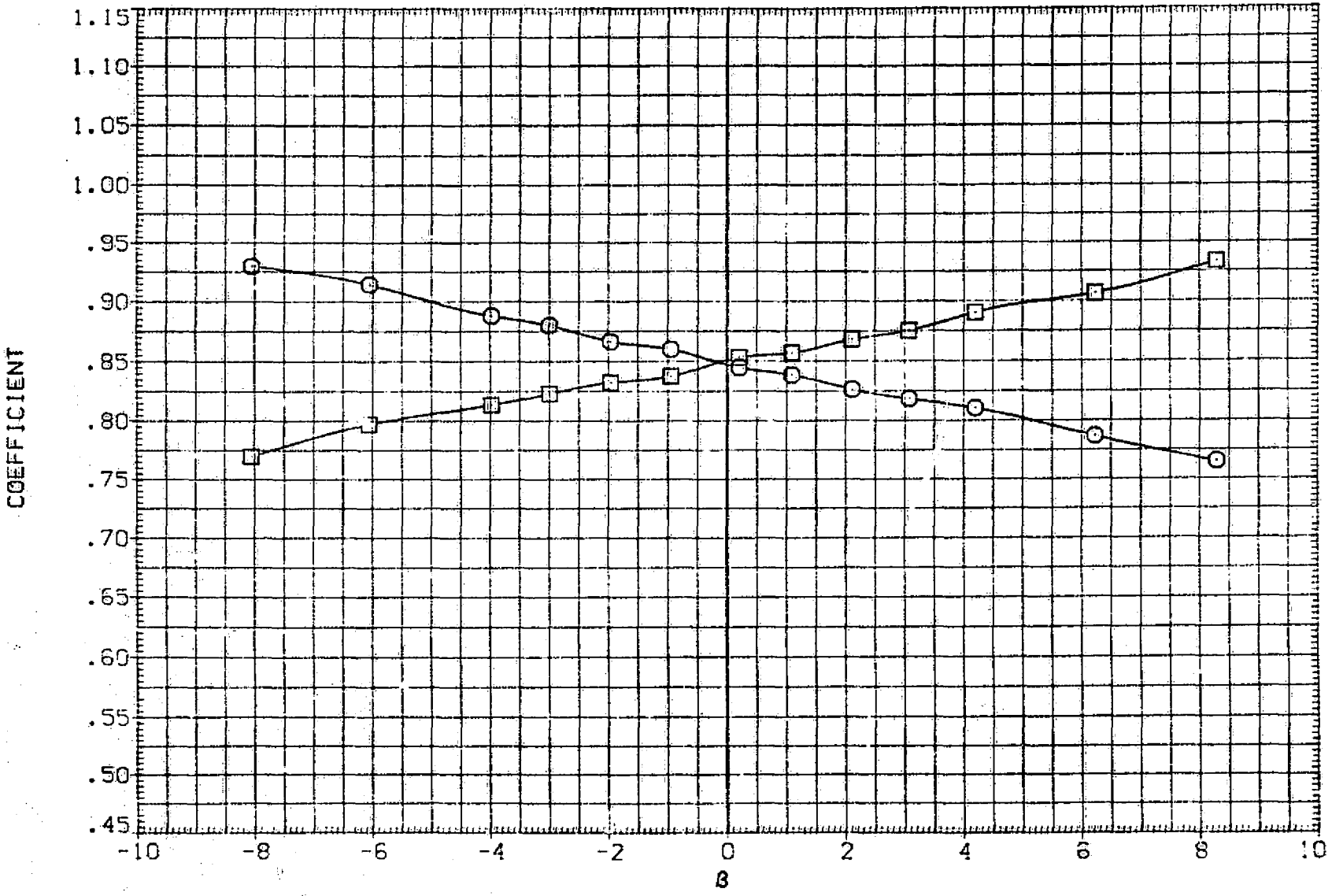


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	1.102	PHI	90.000
□	CPSR				

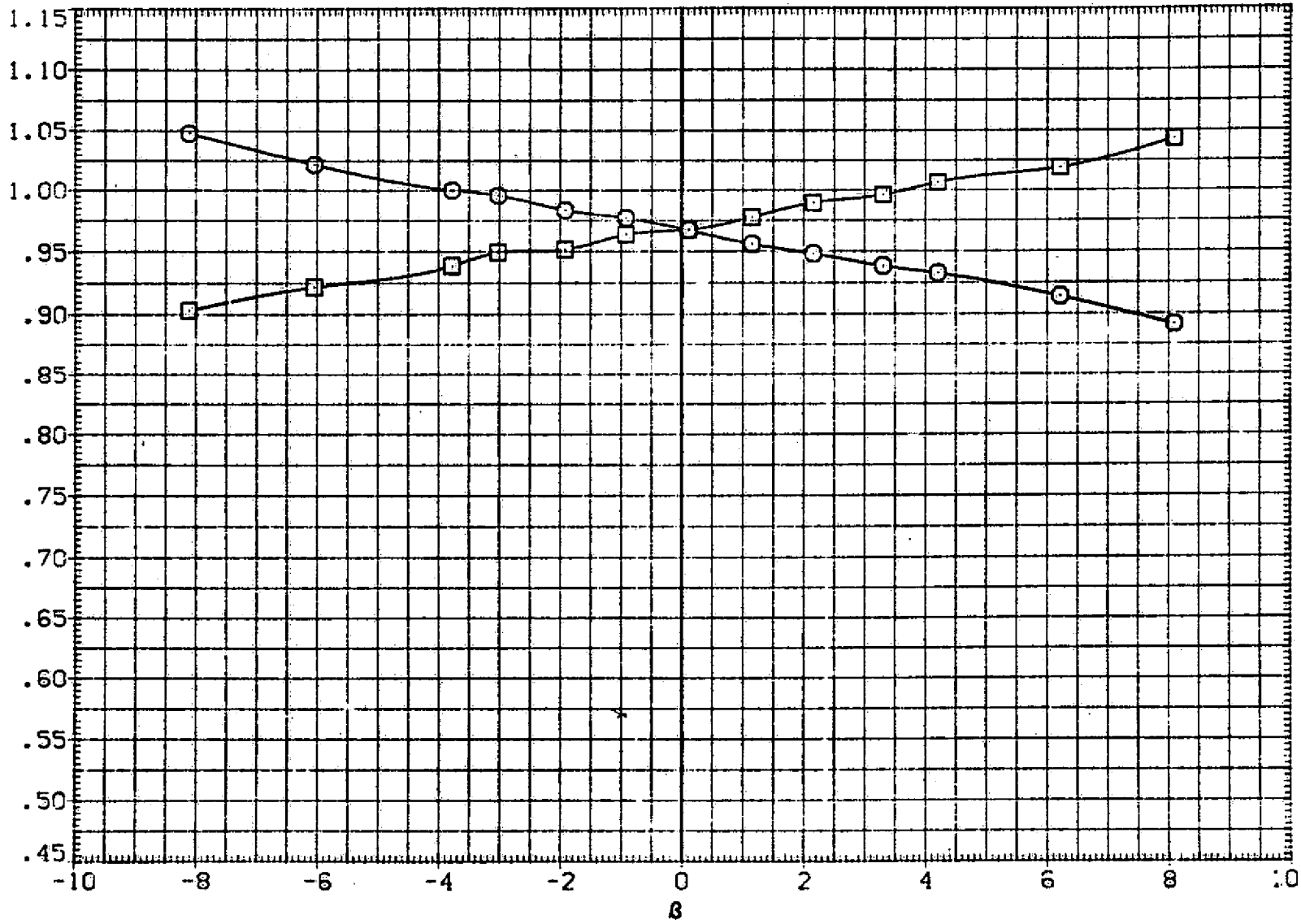


FIG.5 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.550	PHI	45.000
□	CPSU				
◇	CPSB				

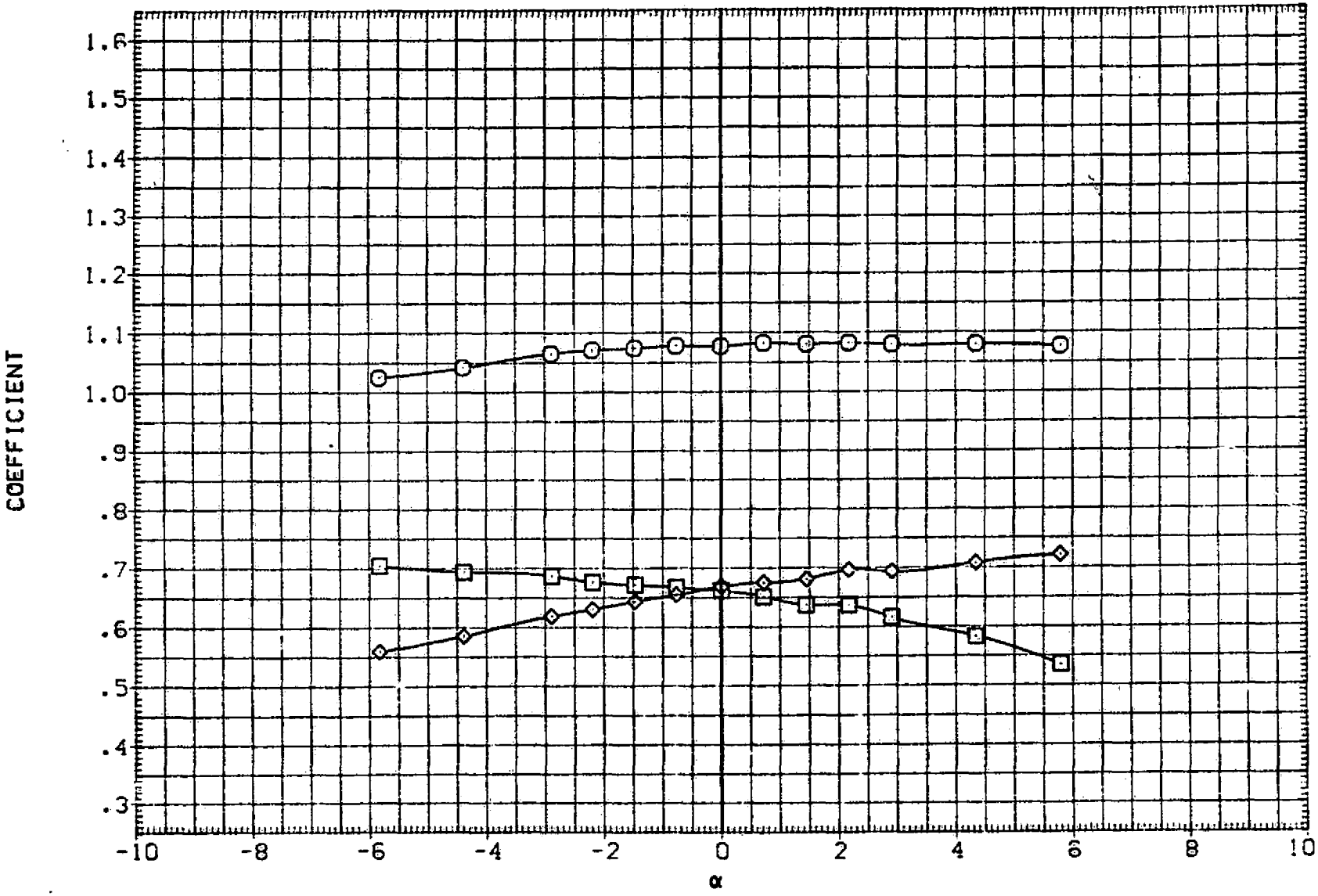


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.702	PHI	45.000
□	CPSU				
◇	CPSB				

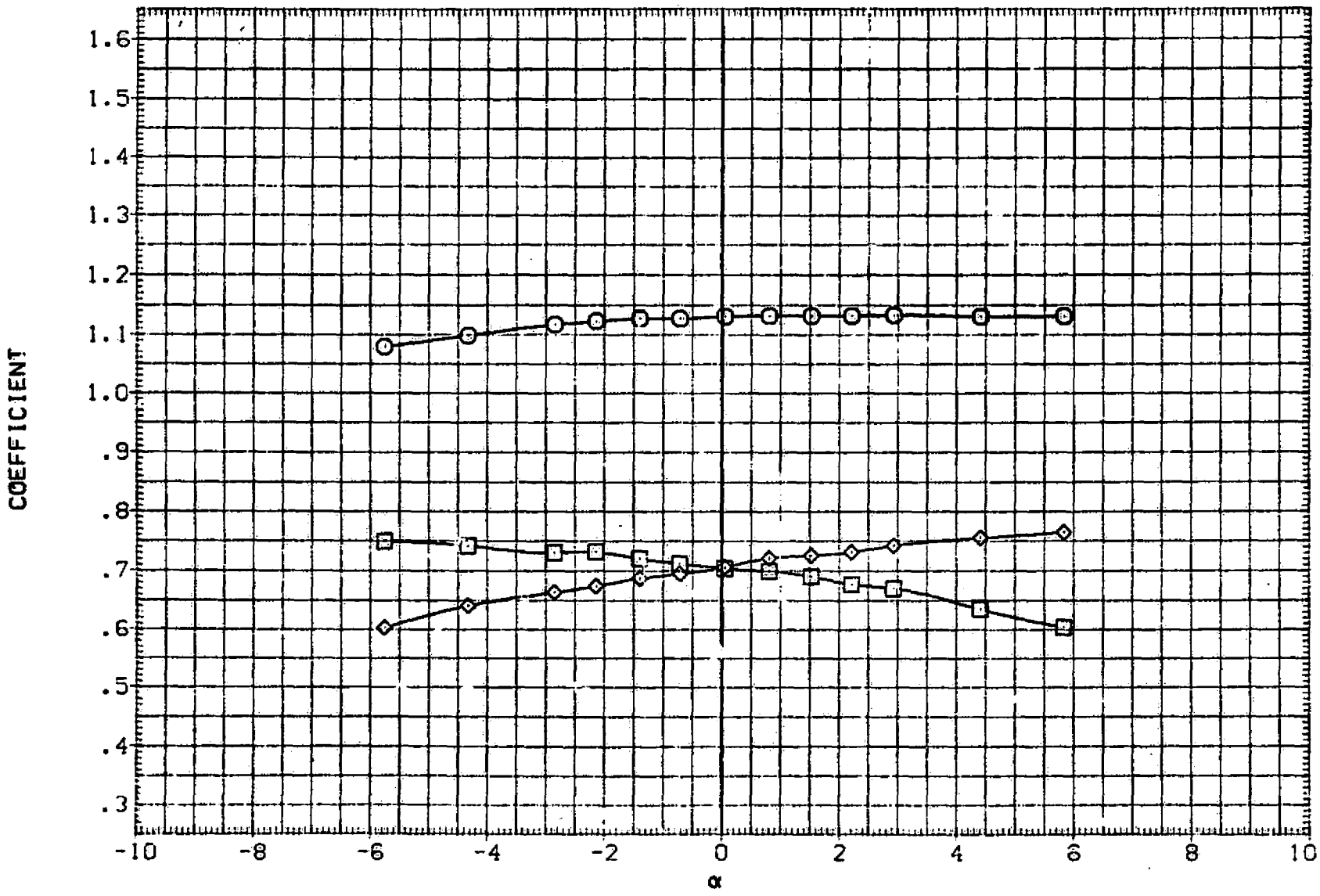


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.802	PHI	45.000
◇	CPSU				
□	CPSR				

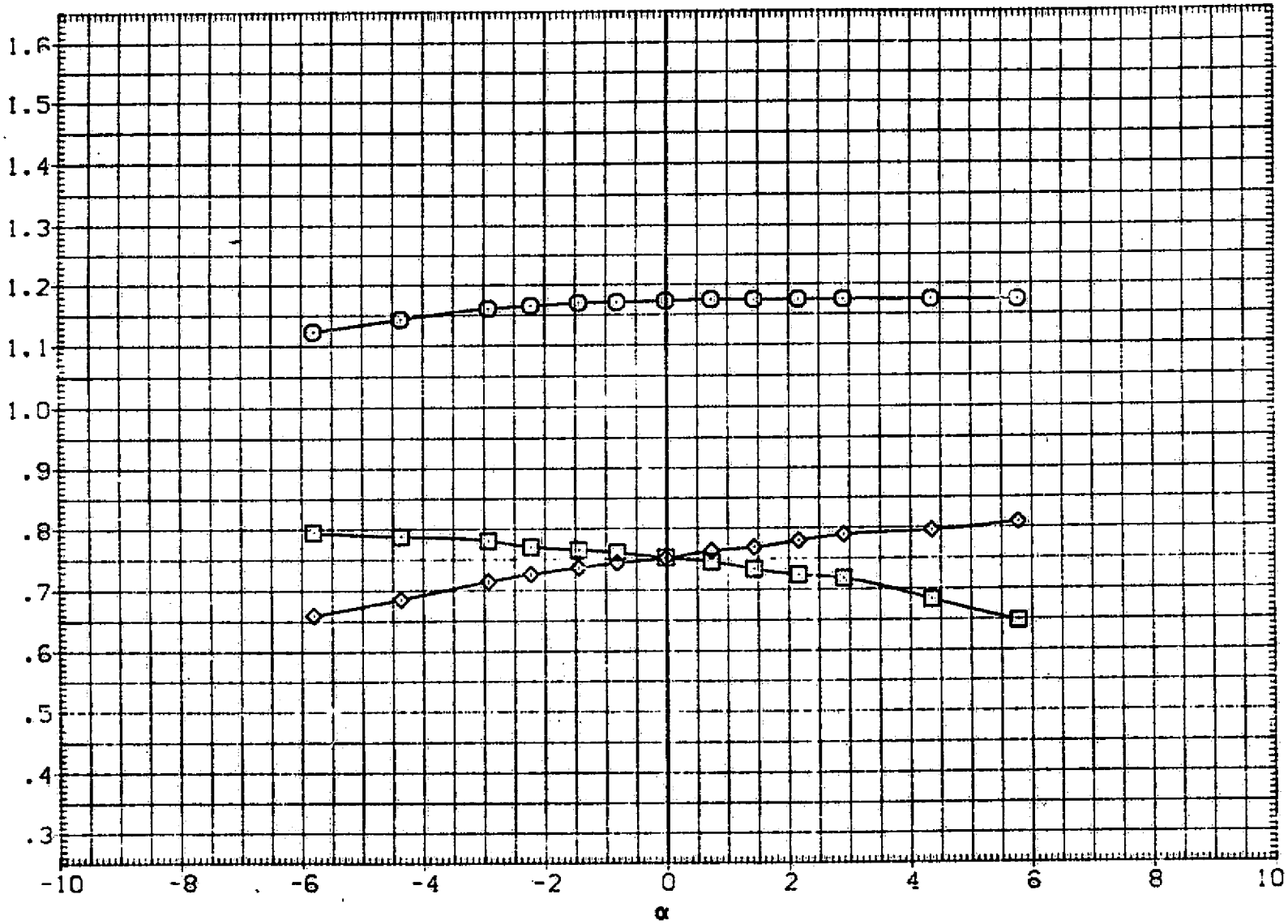


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
	CPTB	MACH	.901	PHI	45.000
	CPSU				
	CPSB				

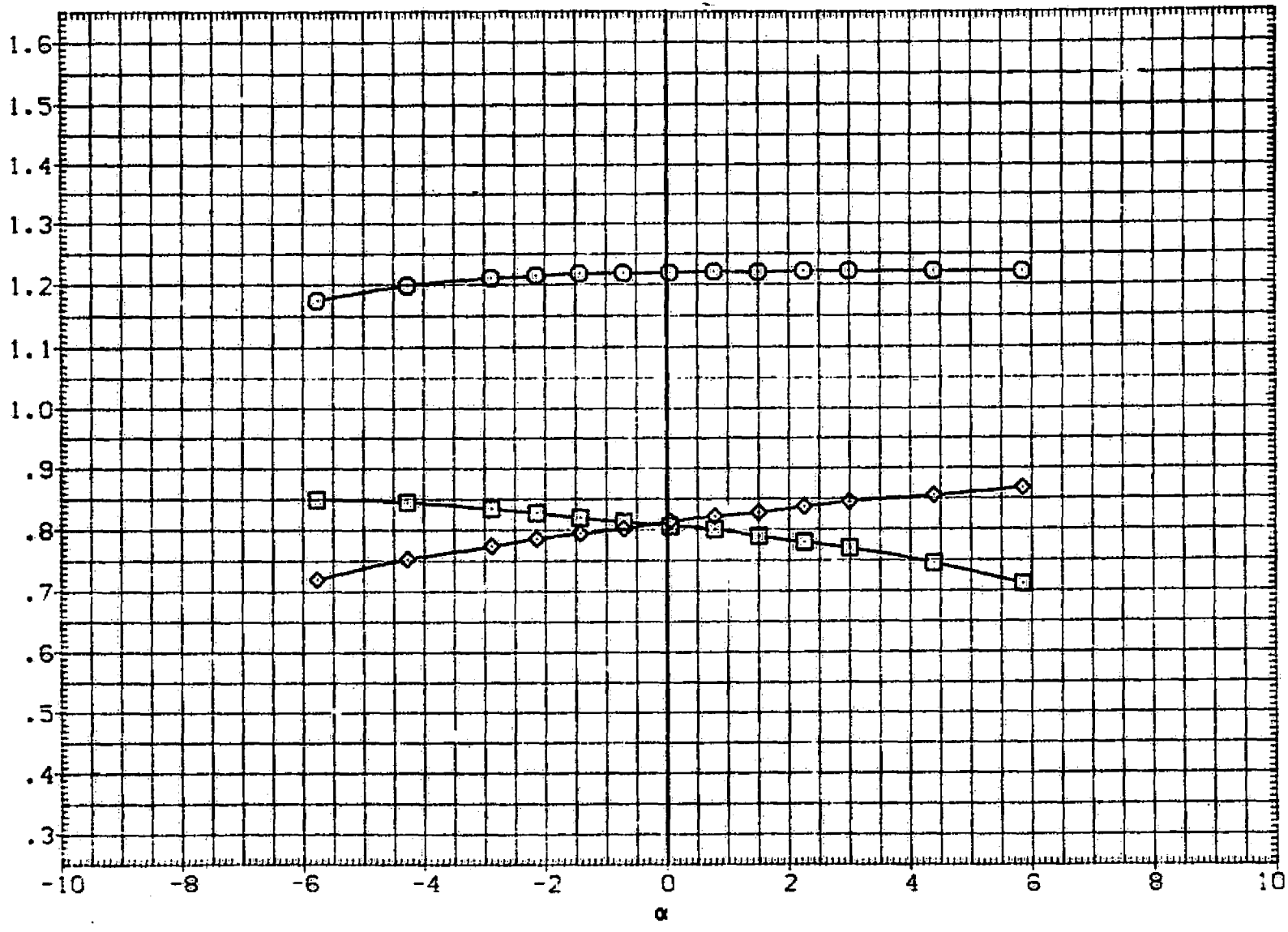


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36),264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	.948	PHI	45.000
□	CPSU				
◇	CPSB				

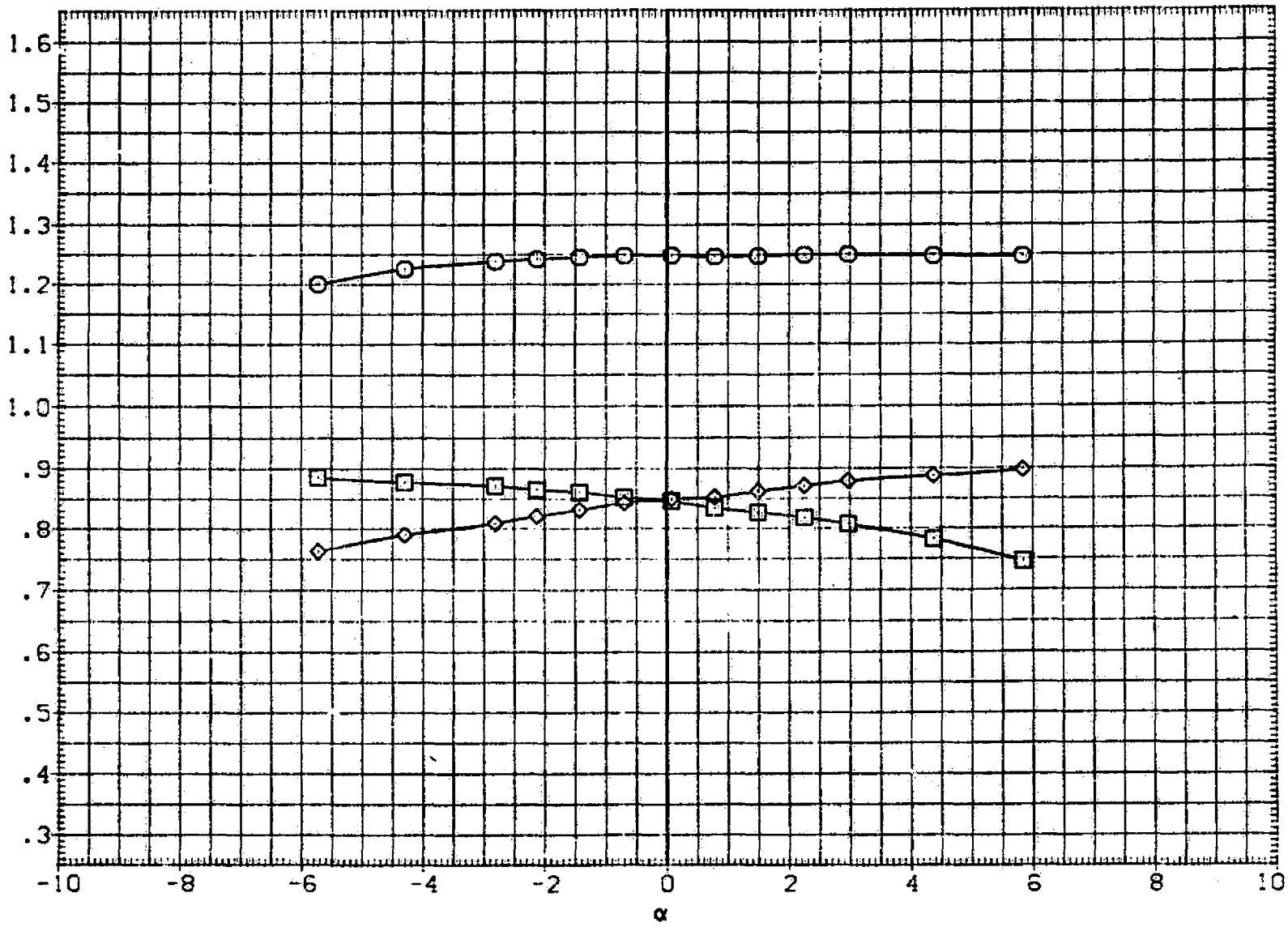


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1([A137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	1.050	PHI	45.000
□	CPSU				
◇	CPSB				

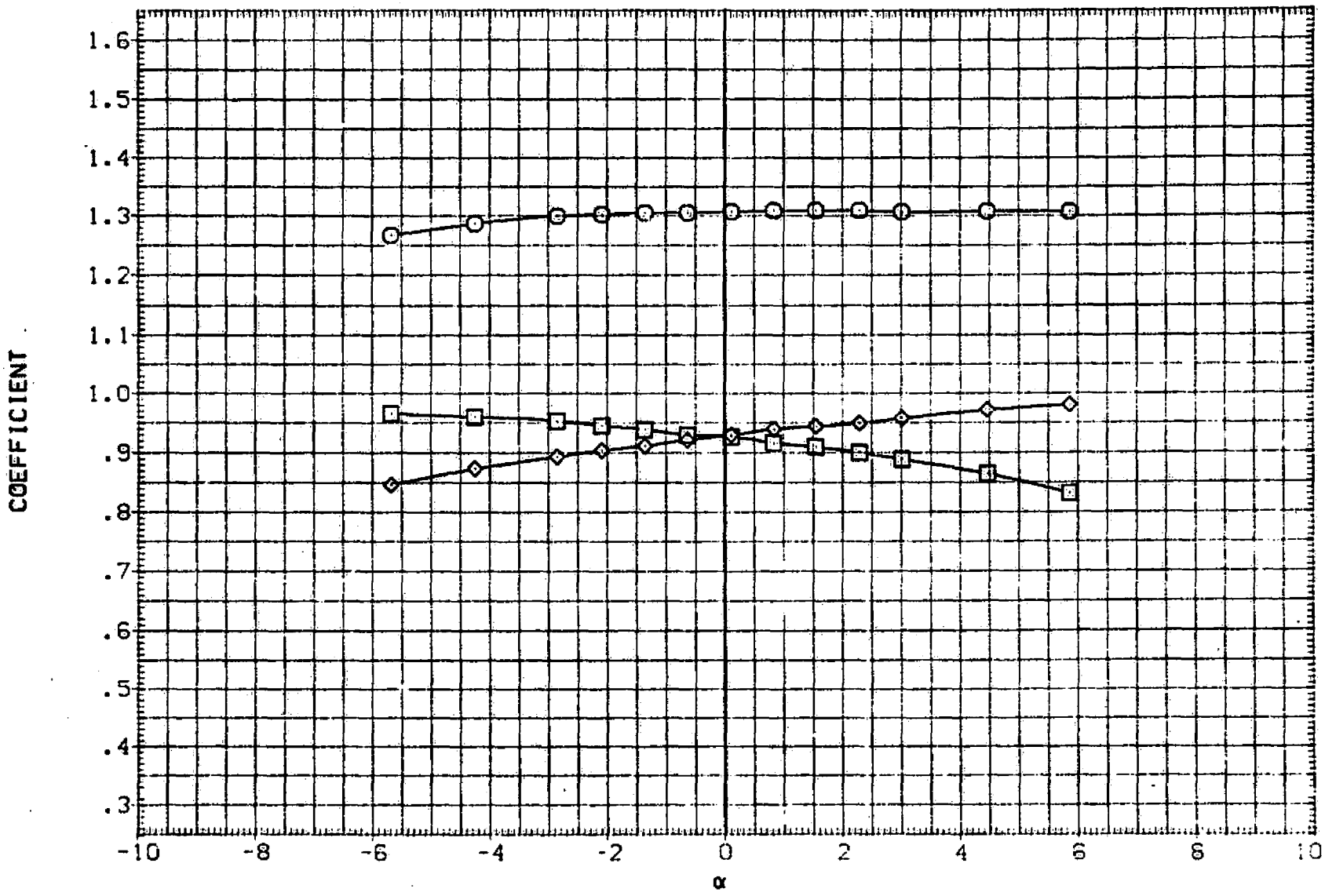


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
	CPTB	MACH	1.099	PHI	45.000
	CPSU				
	CPSB				

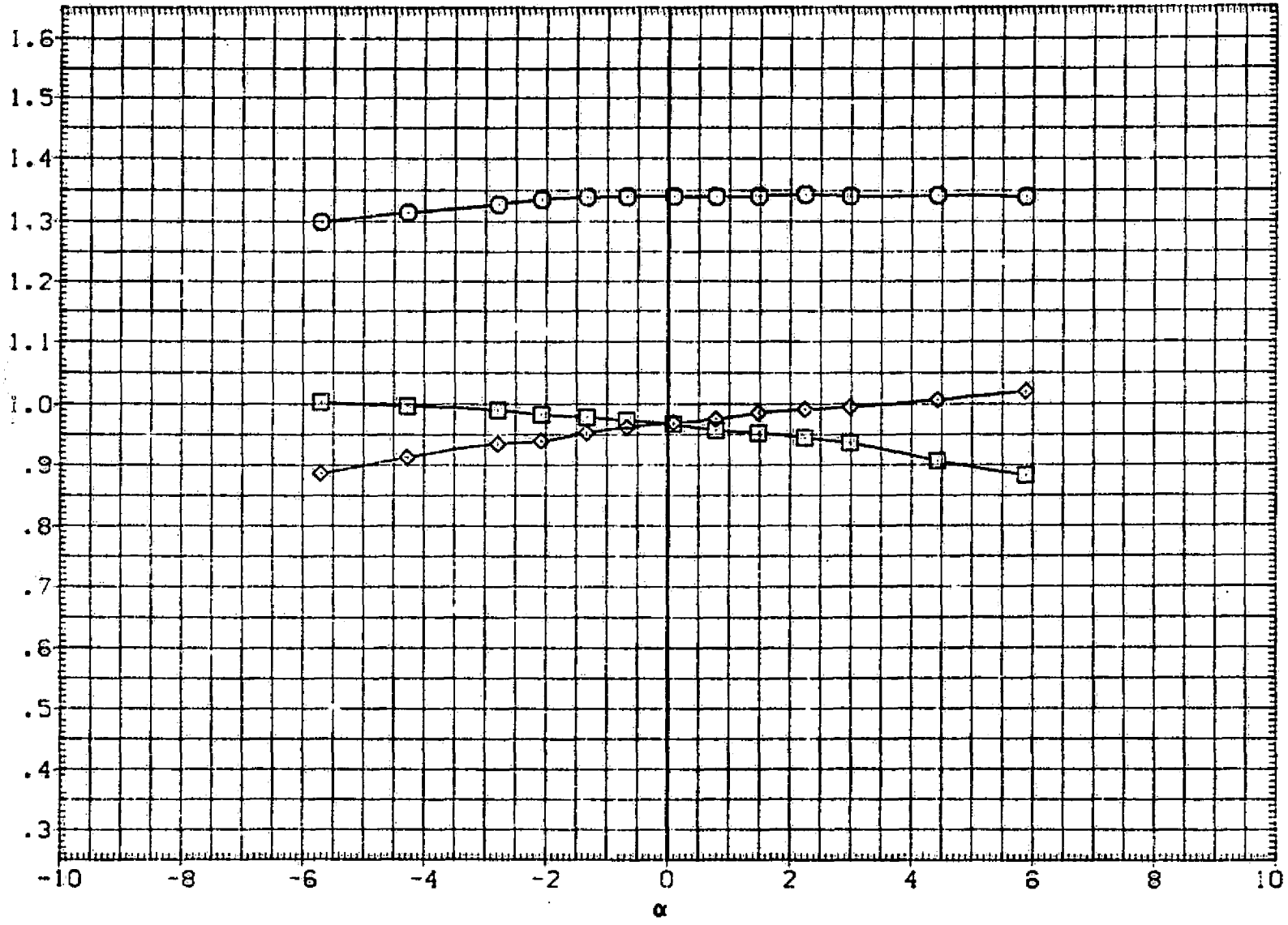


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPTB	MACH	1.151	PHI	45.000
◇□	CPSU				
	CPSB				

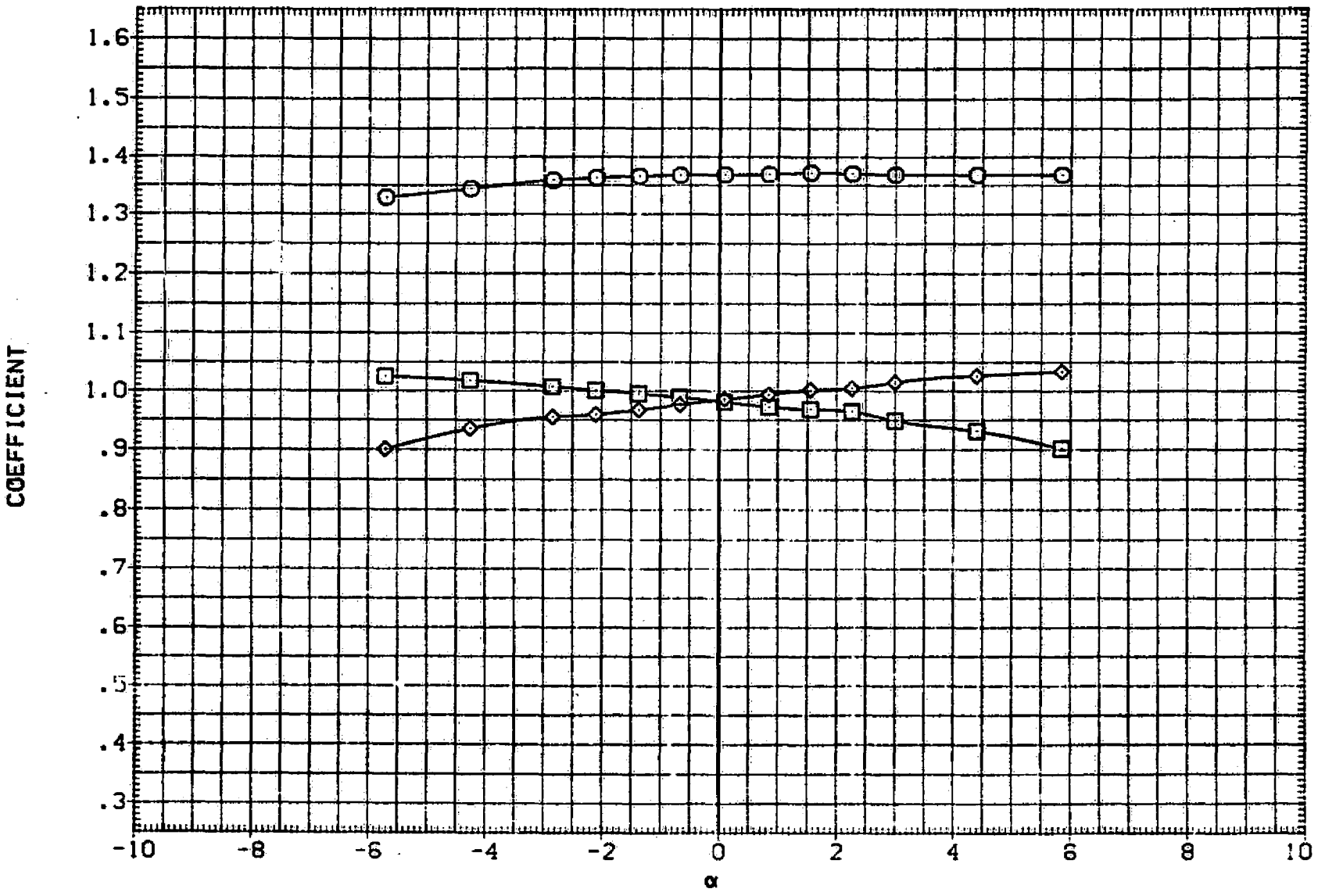


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.550	PHI	45.000
□	CPSR				

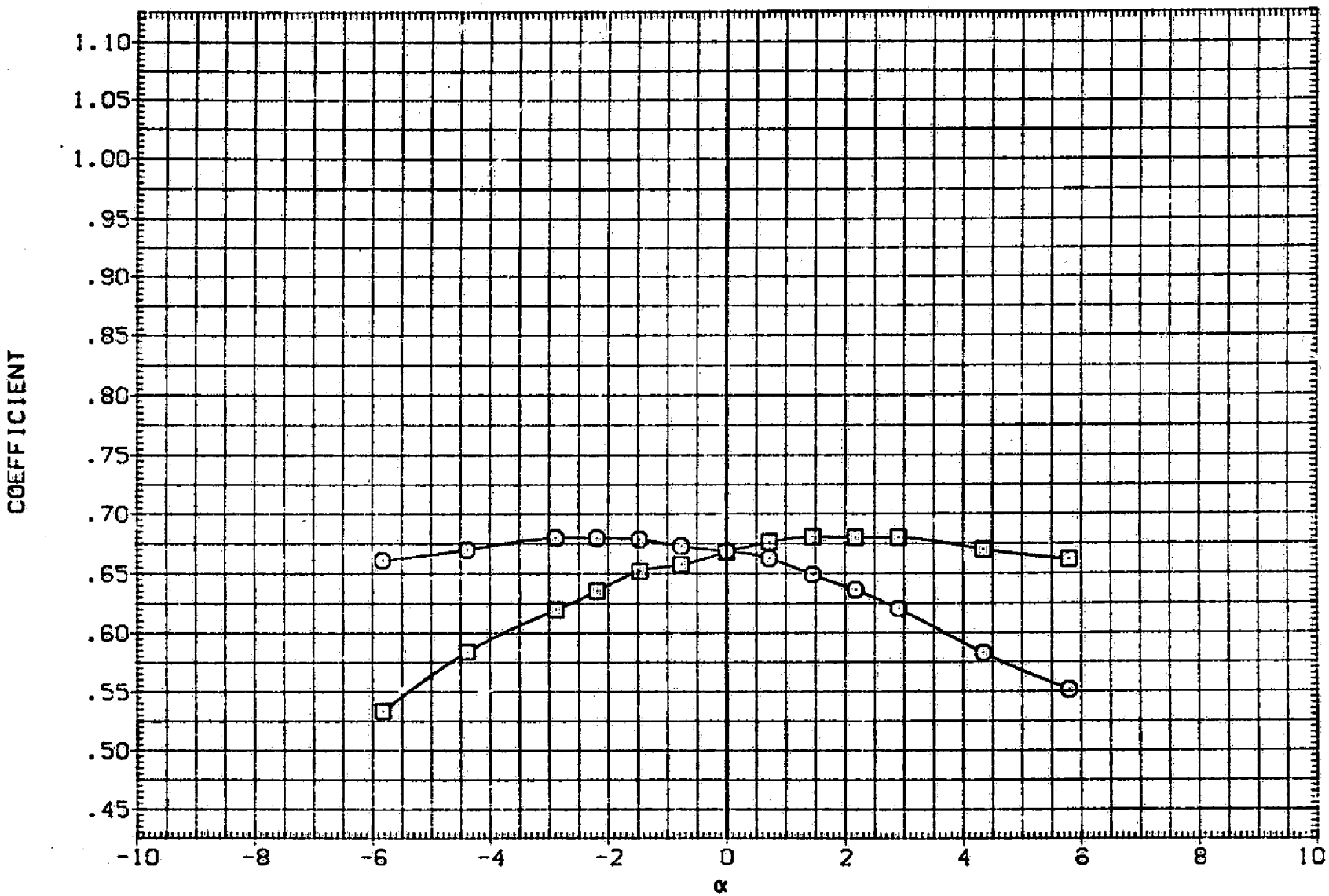


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.707	PHI	45.000
□	CPSR				

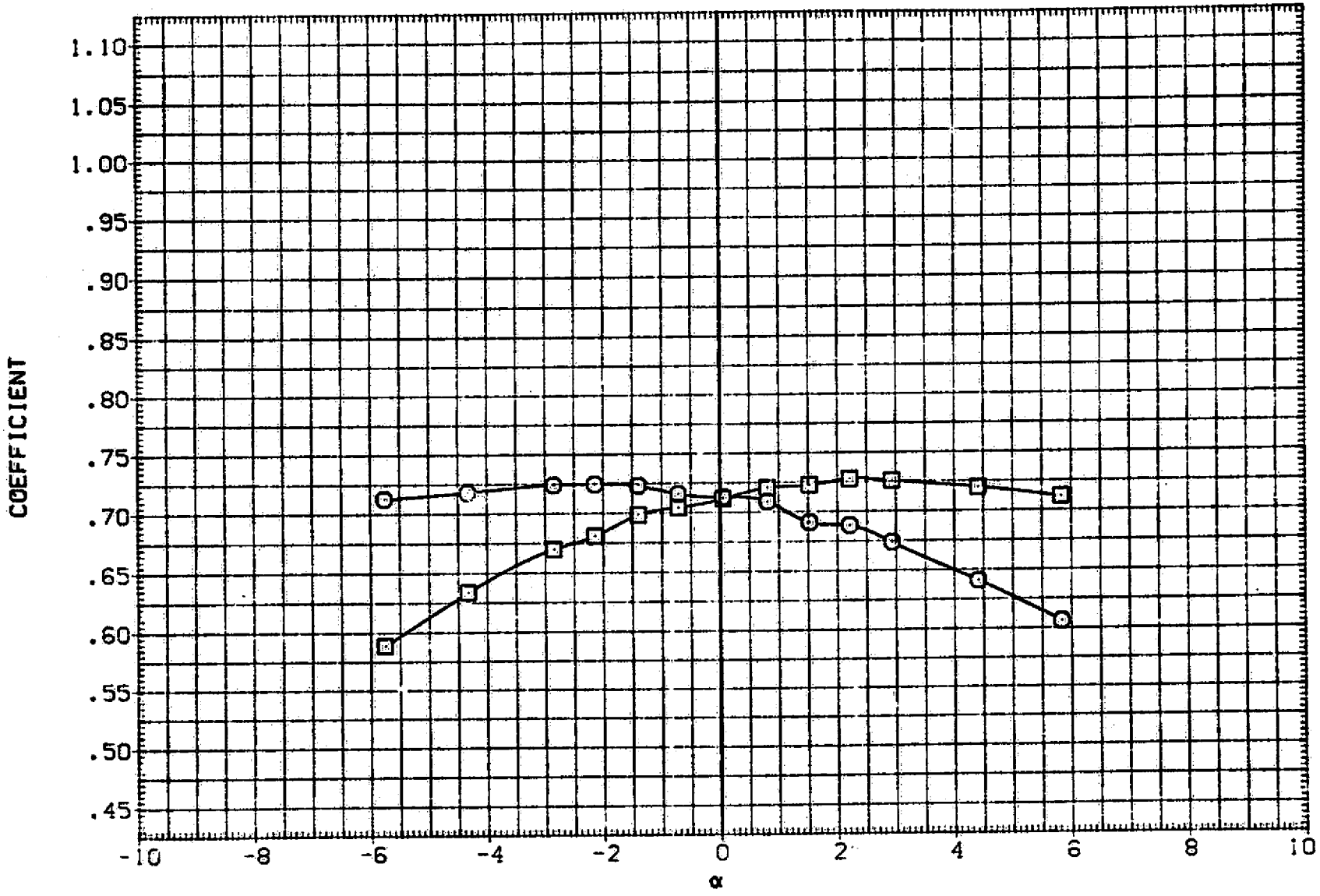


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.802	PHI	45.000
□	CPSP				

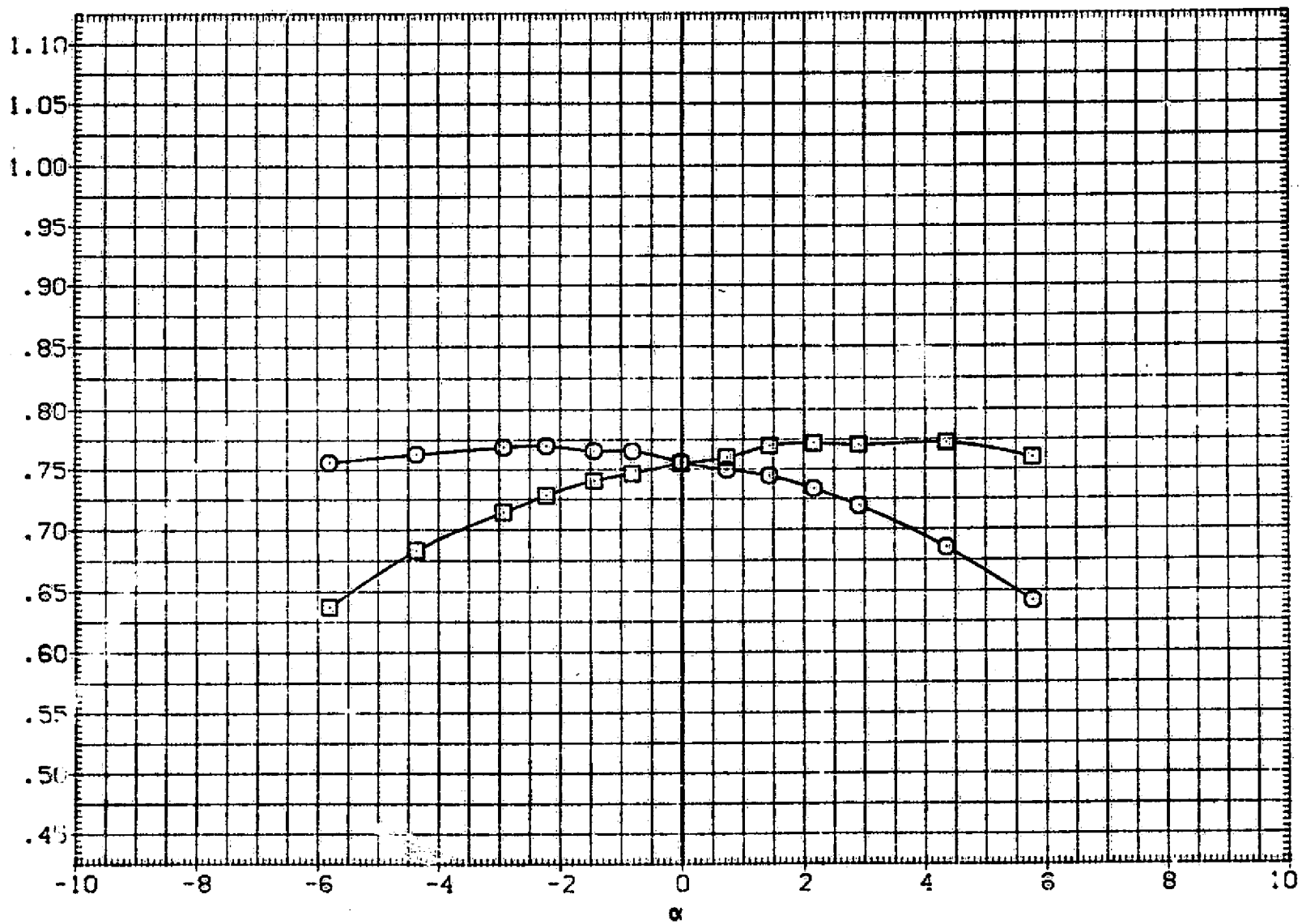


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL CPSR	MACH	.901	PHI	45.000

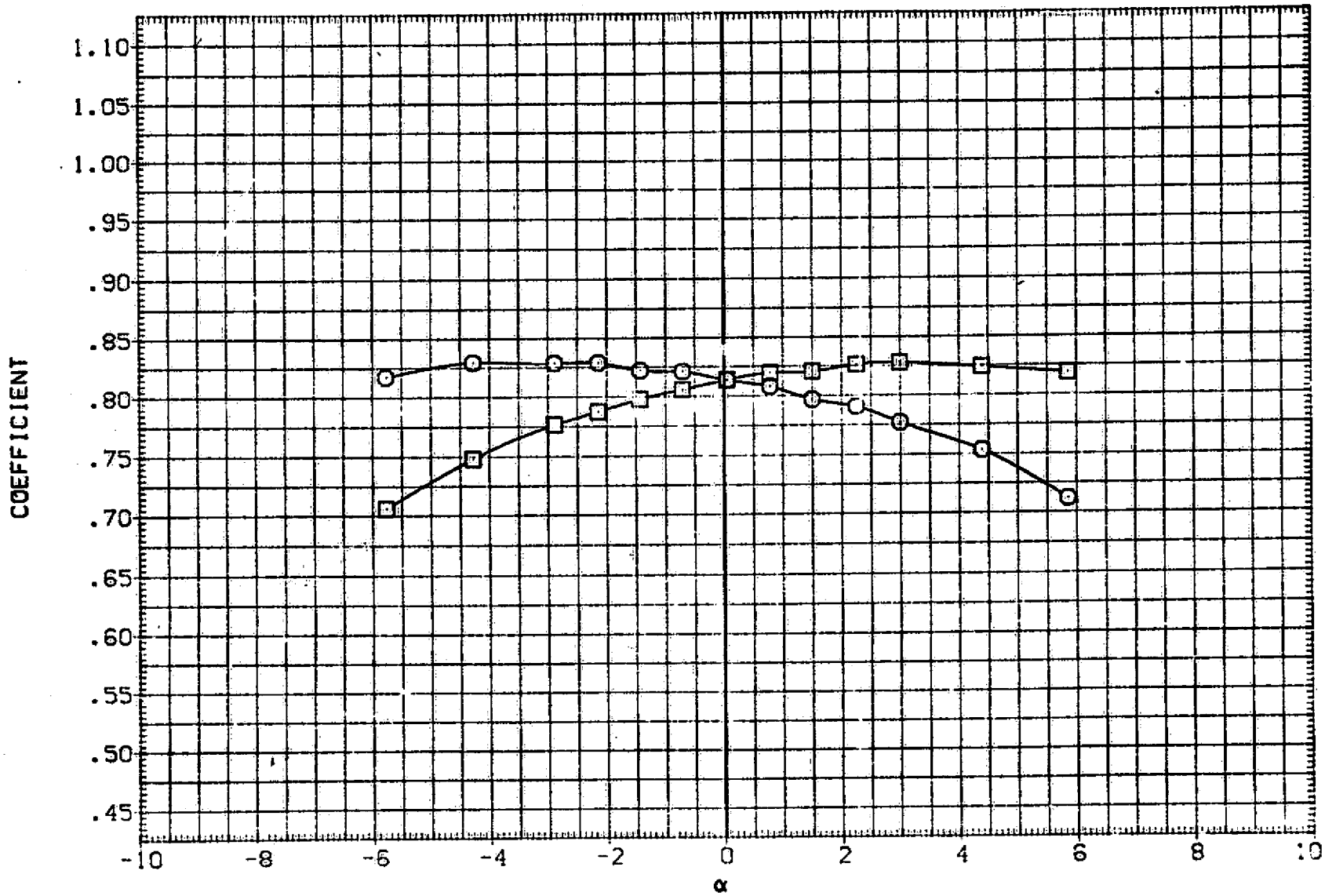


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

[RNY007] ARC14-143-1[IA137] TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	.948	PHI	45.000
□	CPSR				

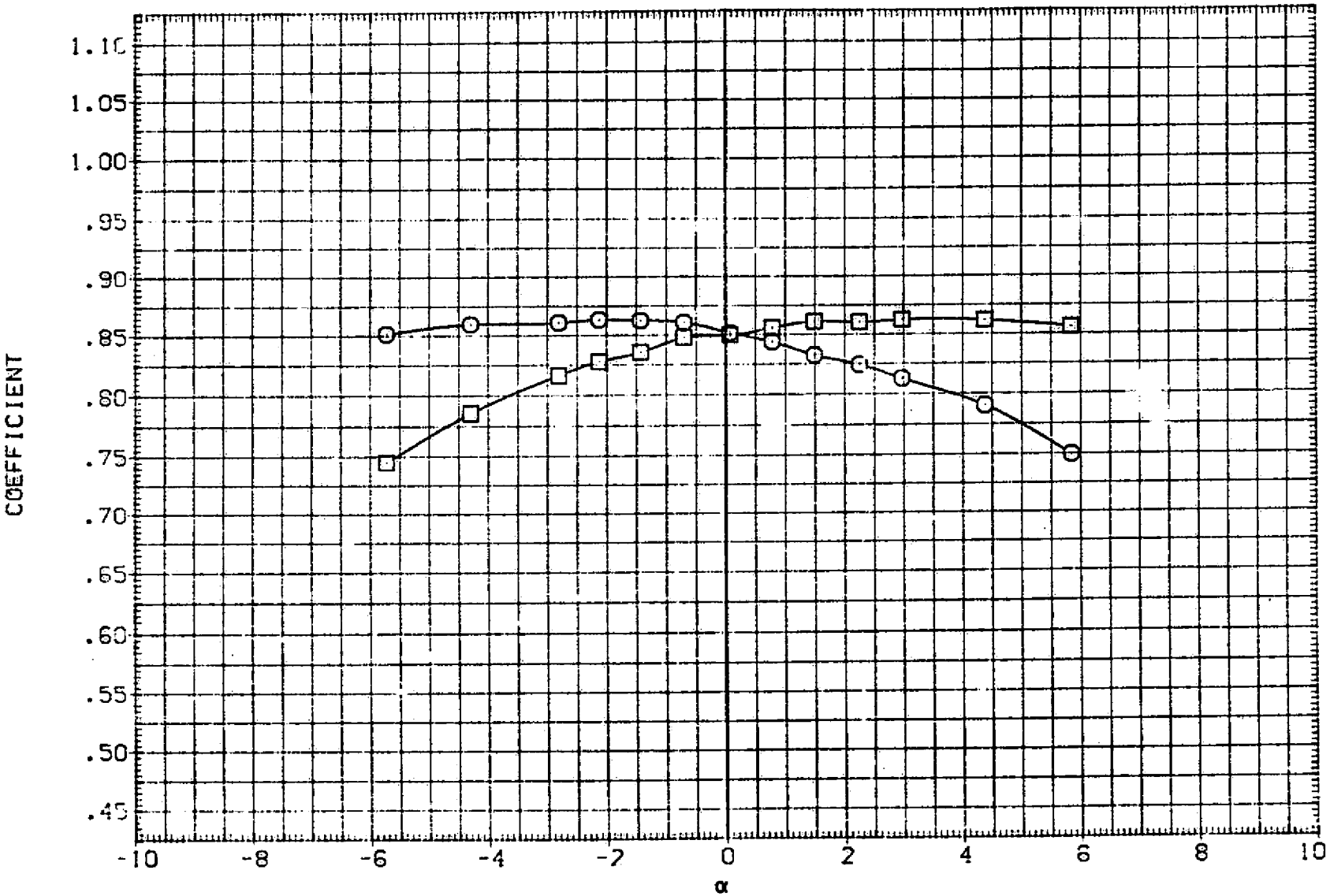


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36),264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	1.050	PHI	45.000
□	CPSR				

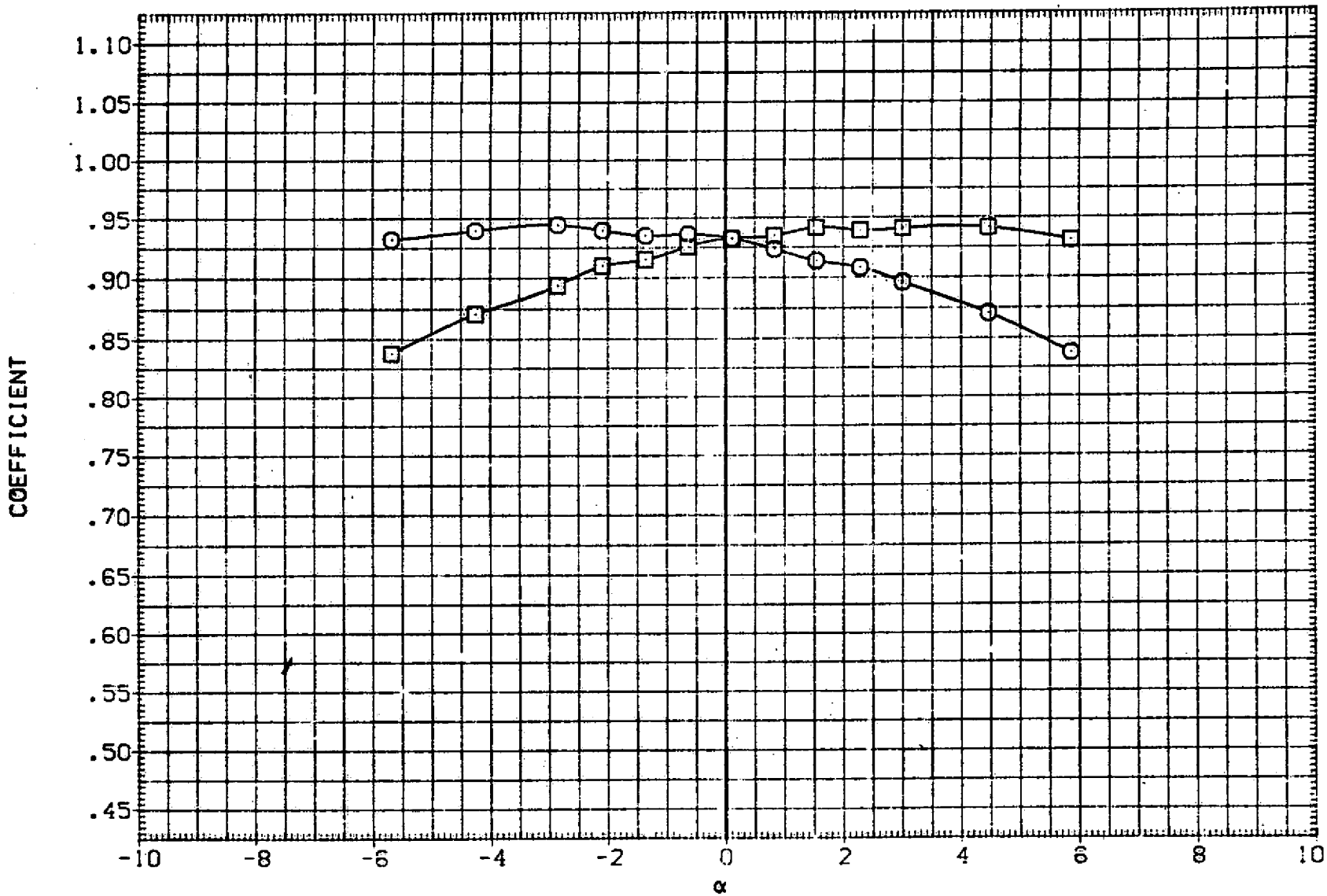


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
□	CPSL CPSR	MACH	1.099	PHI	45.000

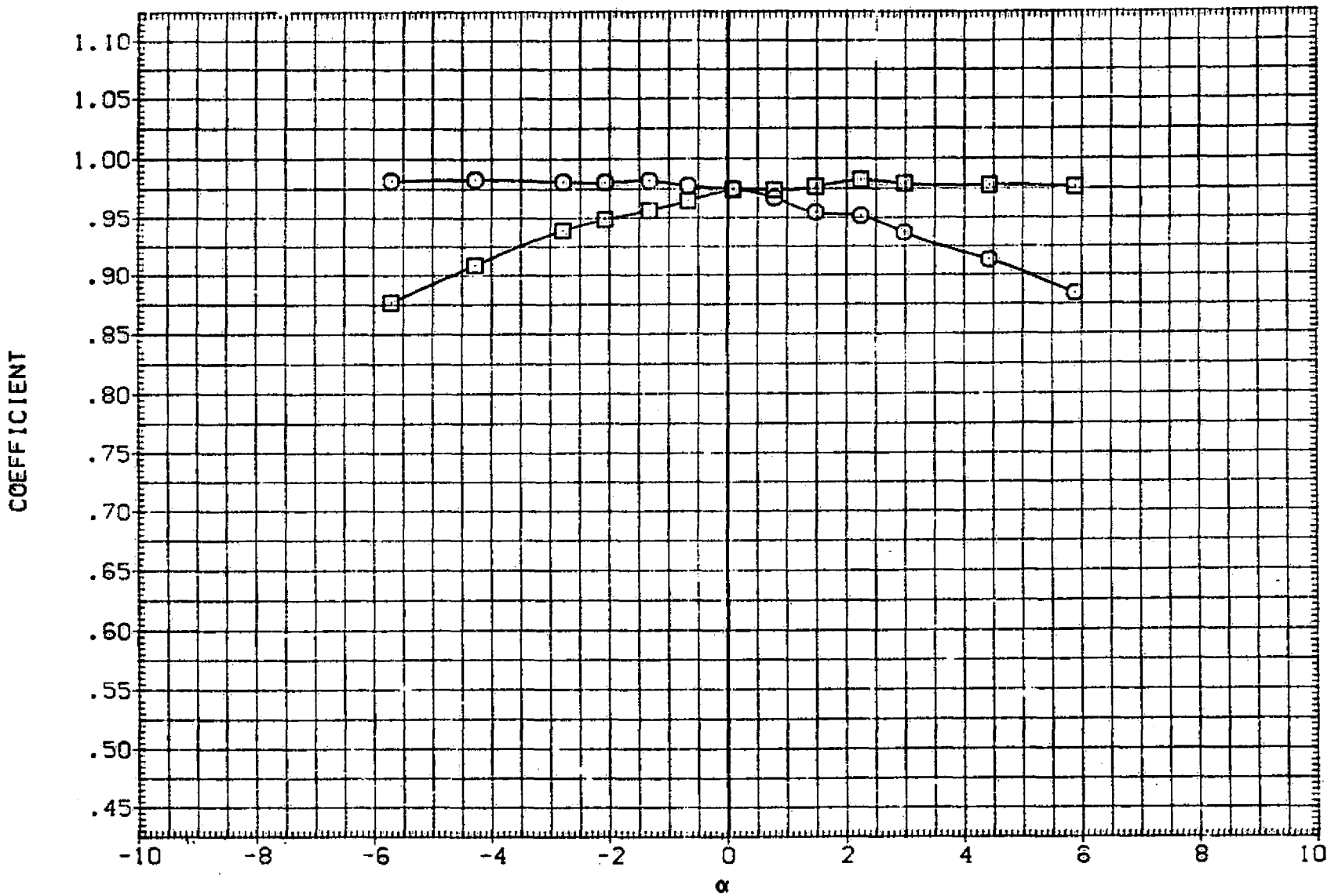


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	CPSL	MACH	1.151	PHI	45.000
□	CPSR				

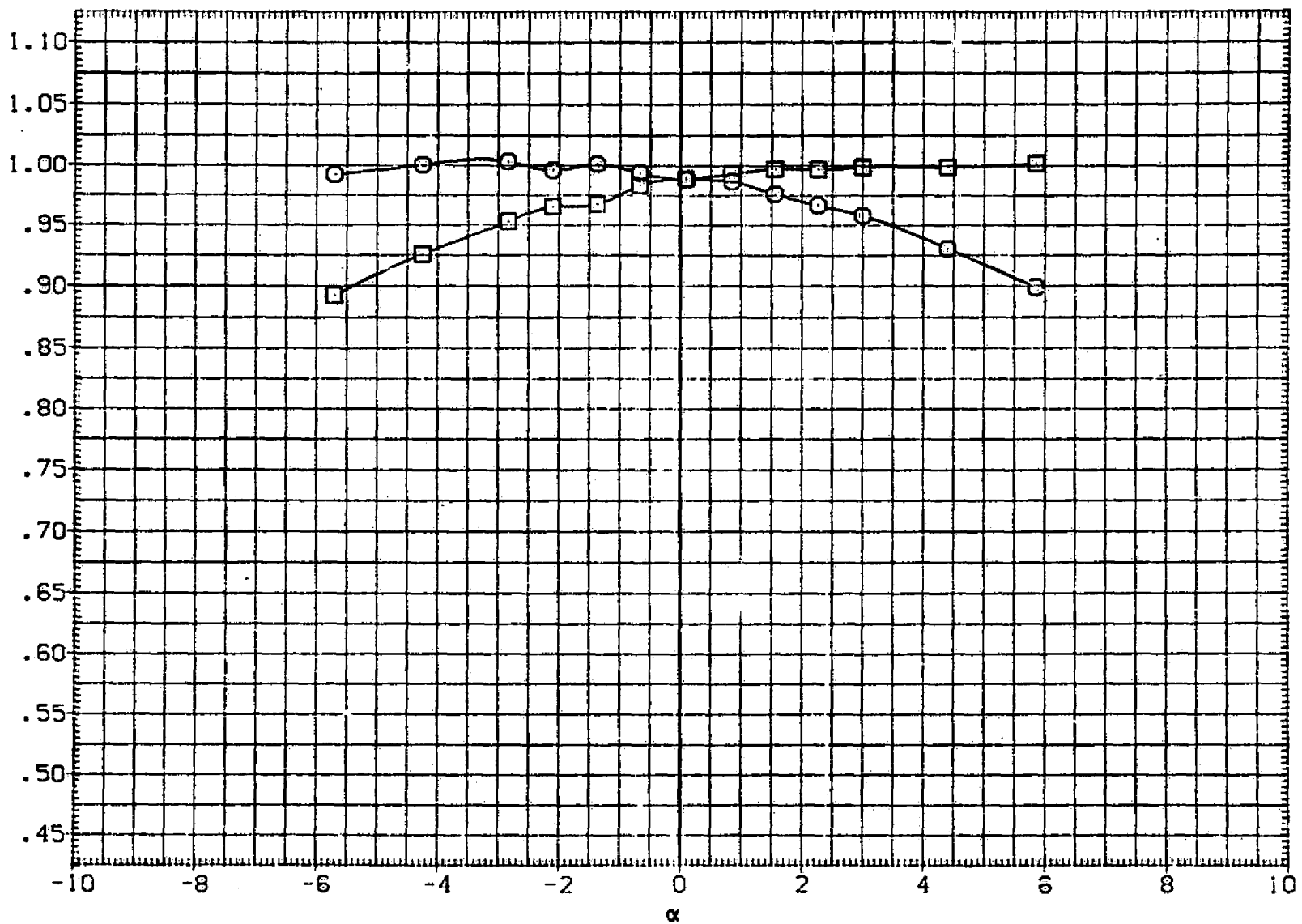


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36),264.8 IN.

SYMBOL	DATA		PARAMETRIC VALUES		
○	BETA	MACH	.550	PHI	45.000

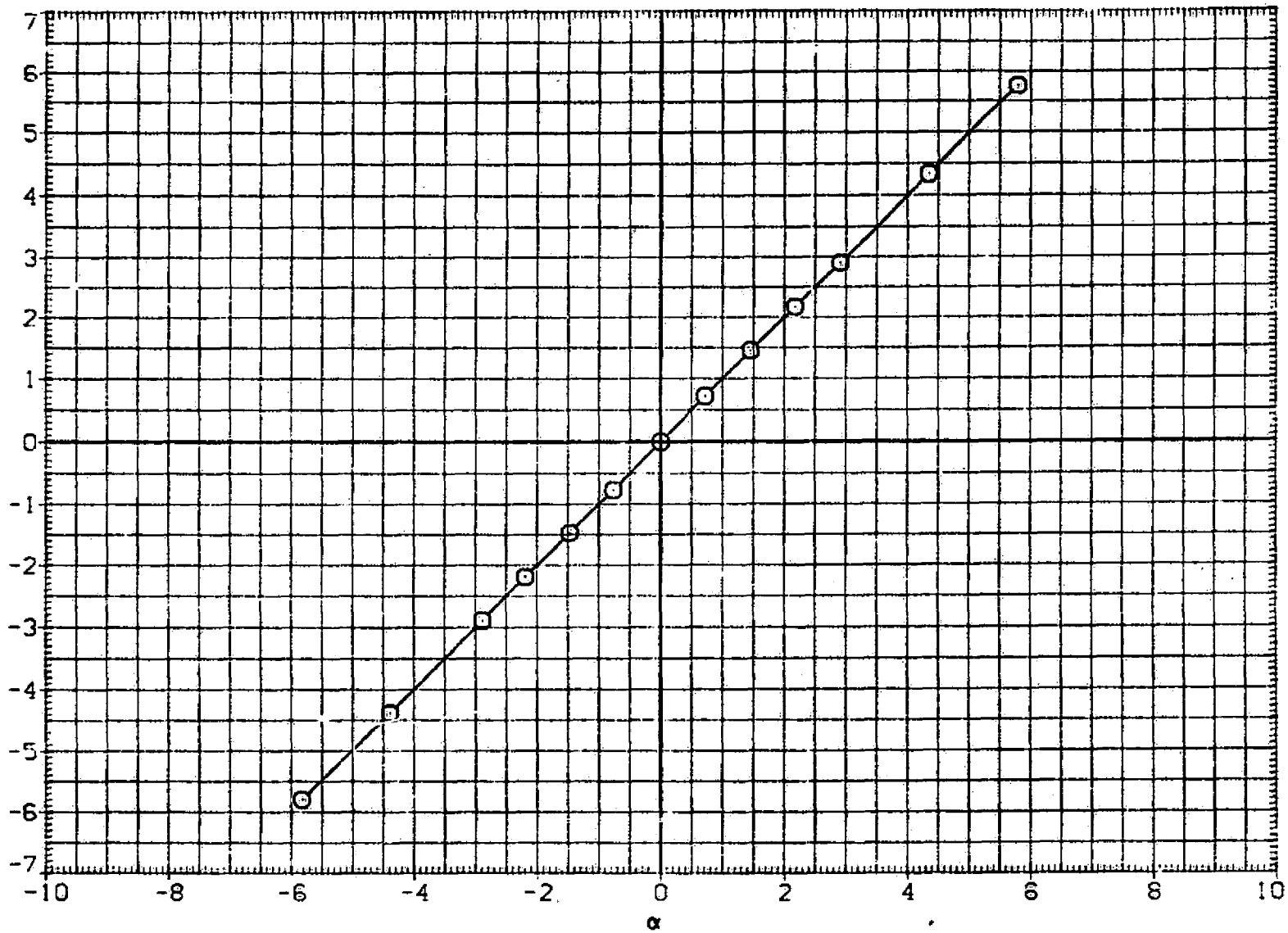


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36),264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	BETA	MACH	.702	PHI	45.000

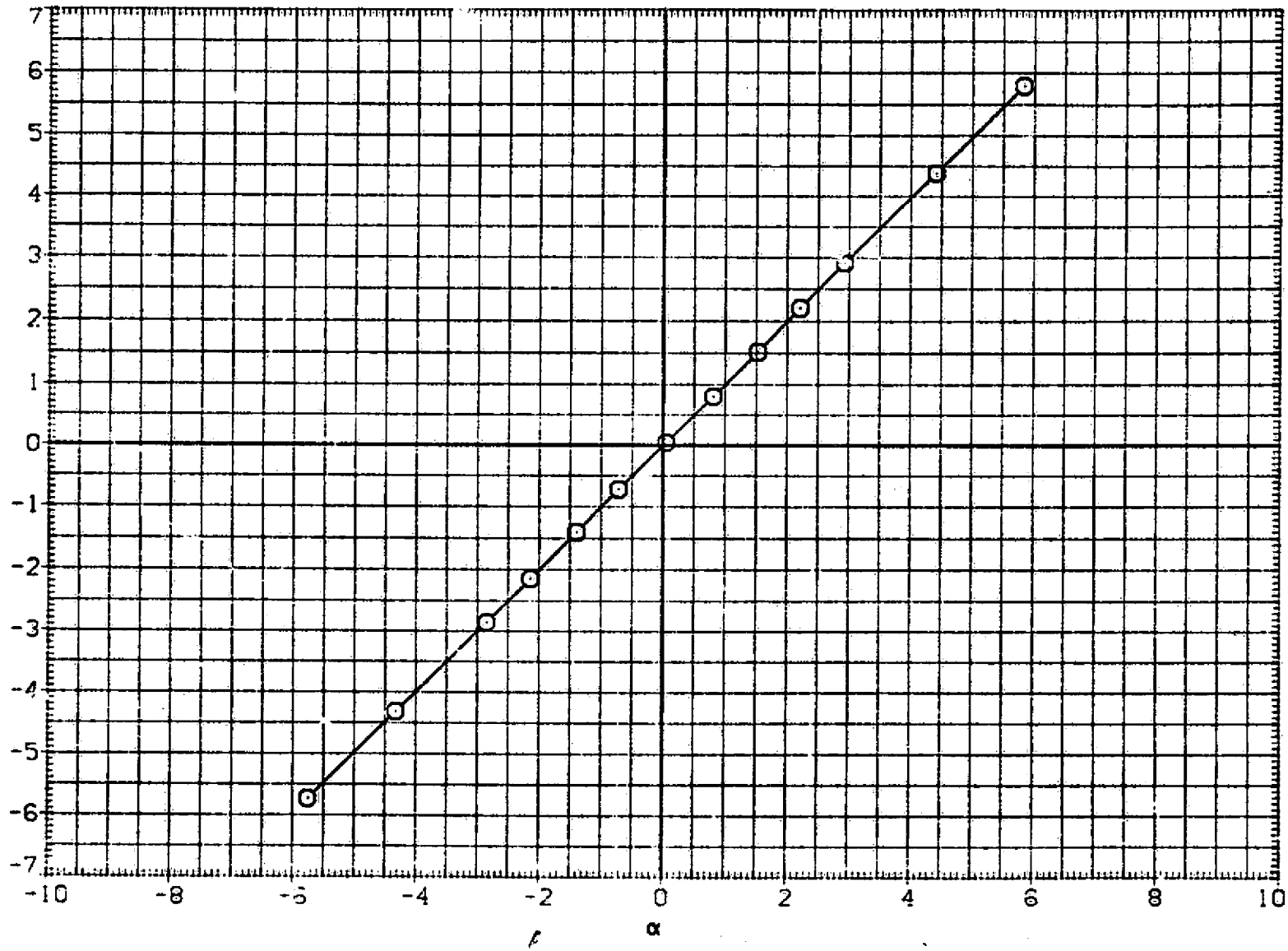


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA		PARAMETRIC VALUES		
○	BETA	MACH	.802	PHI	45.000

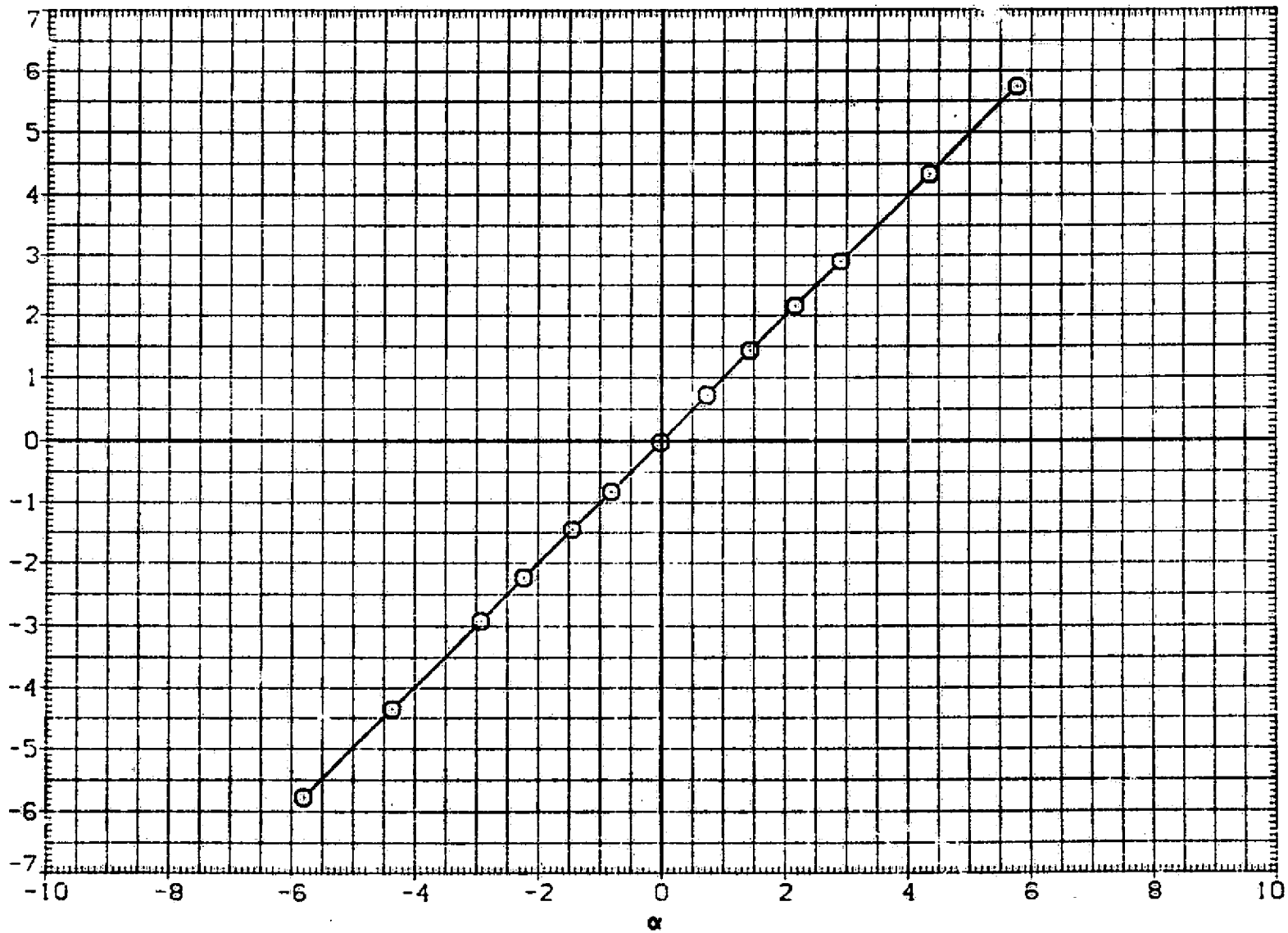


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	BETA	MACH	.901	PHI	45.000

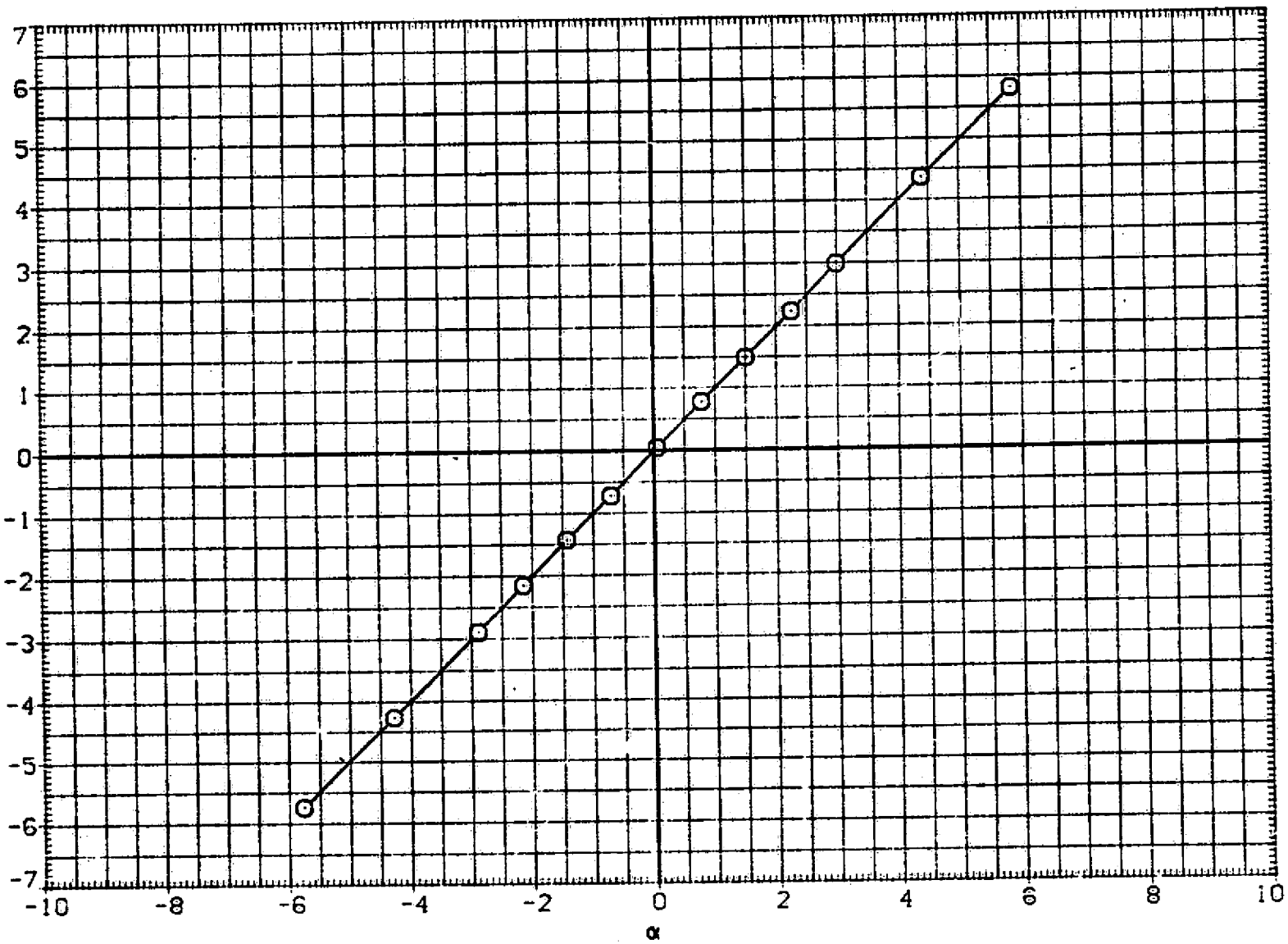


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	BETA	MACH	.948	PHI	45.000

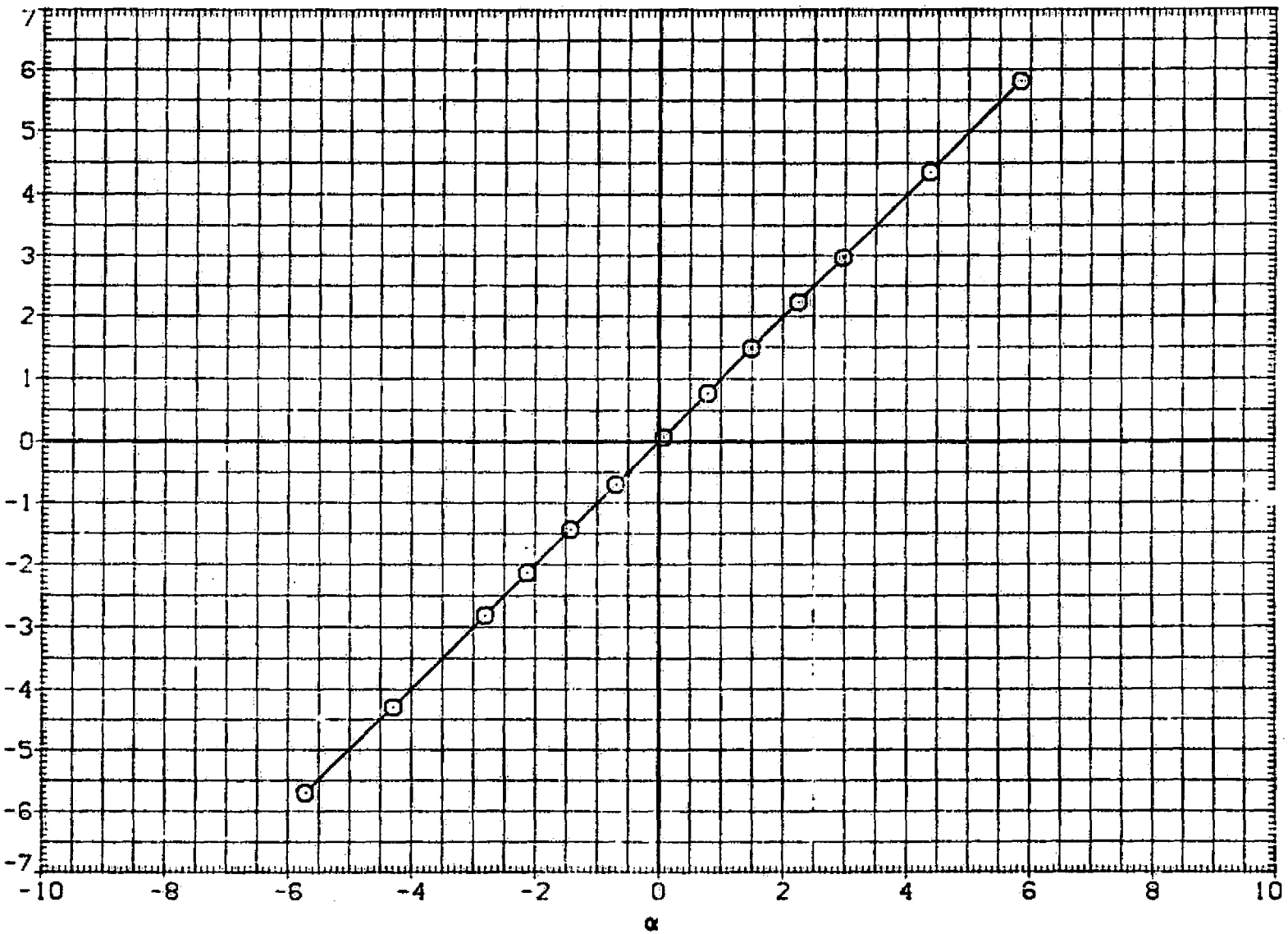


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA		PARAMETRIC VALUES		
○	BETA	MACH	1.050	PHI	45.000

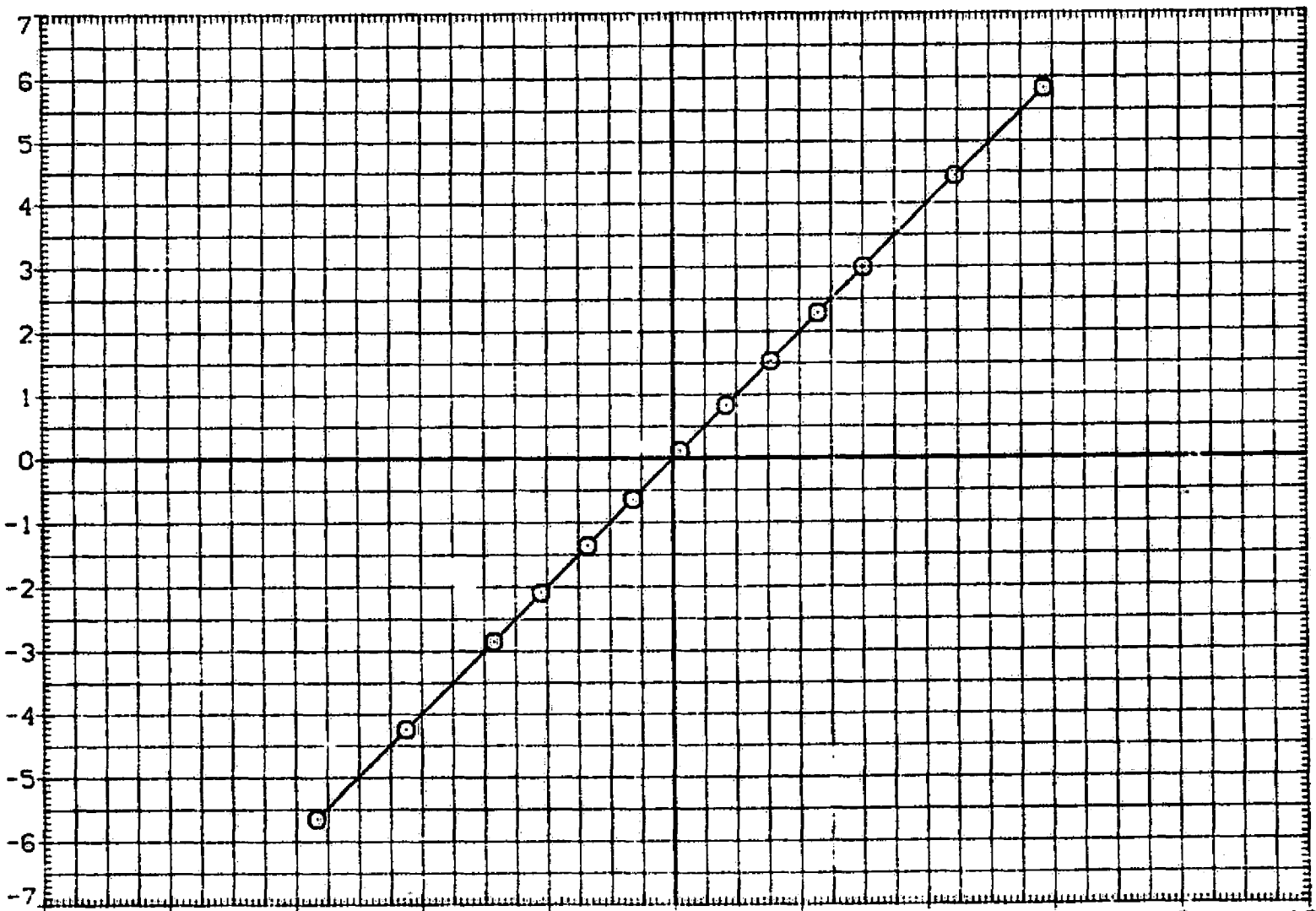


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137) TANK(T36).264.8 IN.

SYMBOL	DATA	PARAMETRIC VALUES			
○	BETA	MACH	1.099	PHI	45.000

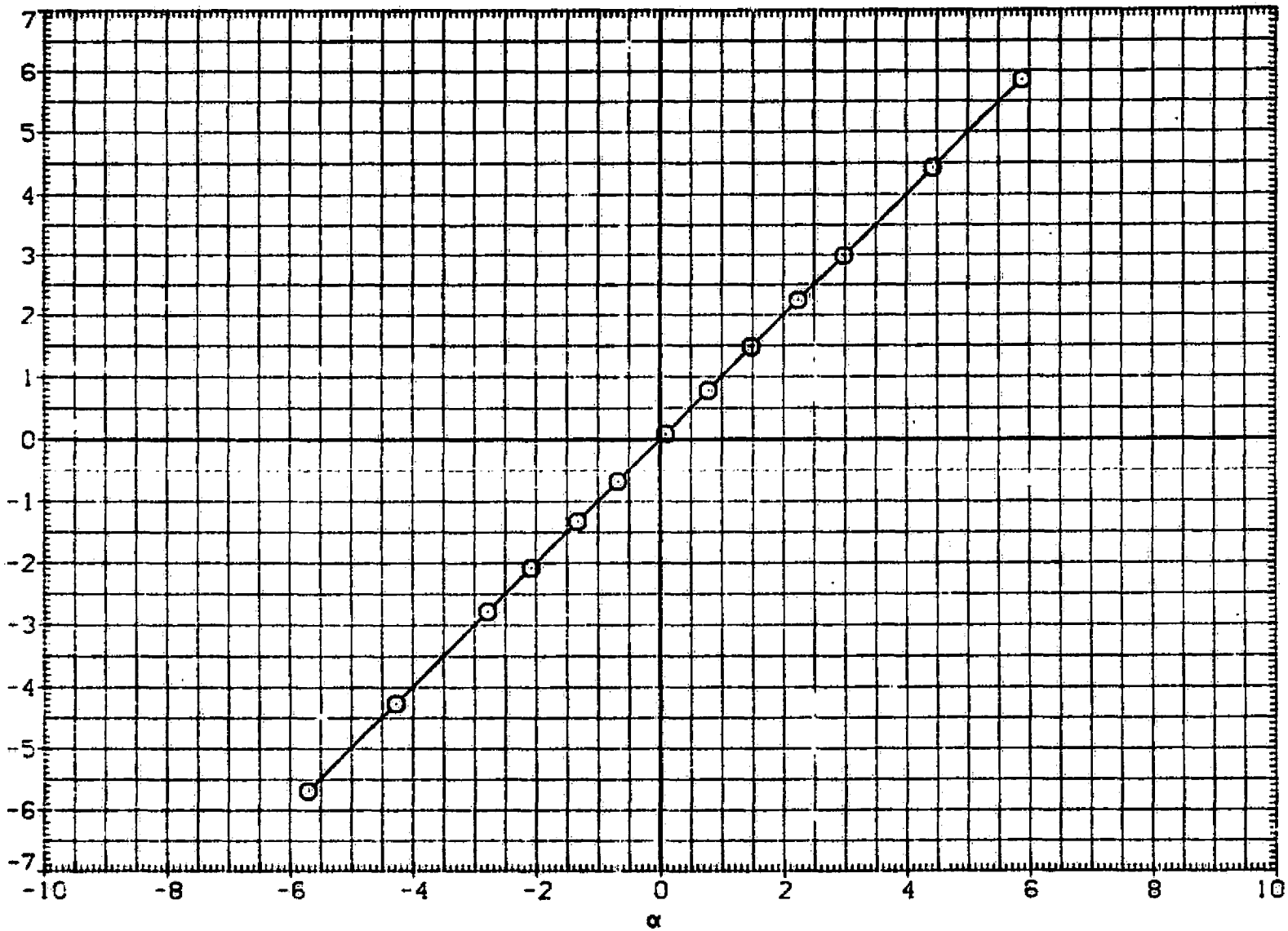


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(iA137) TANK(T36).264.8 IN.

SYMBOL	DATA		PARAMETRIC VALUES		
○	BETA	MACH	1.151	PHI	45.000

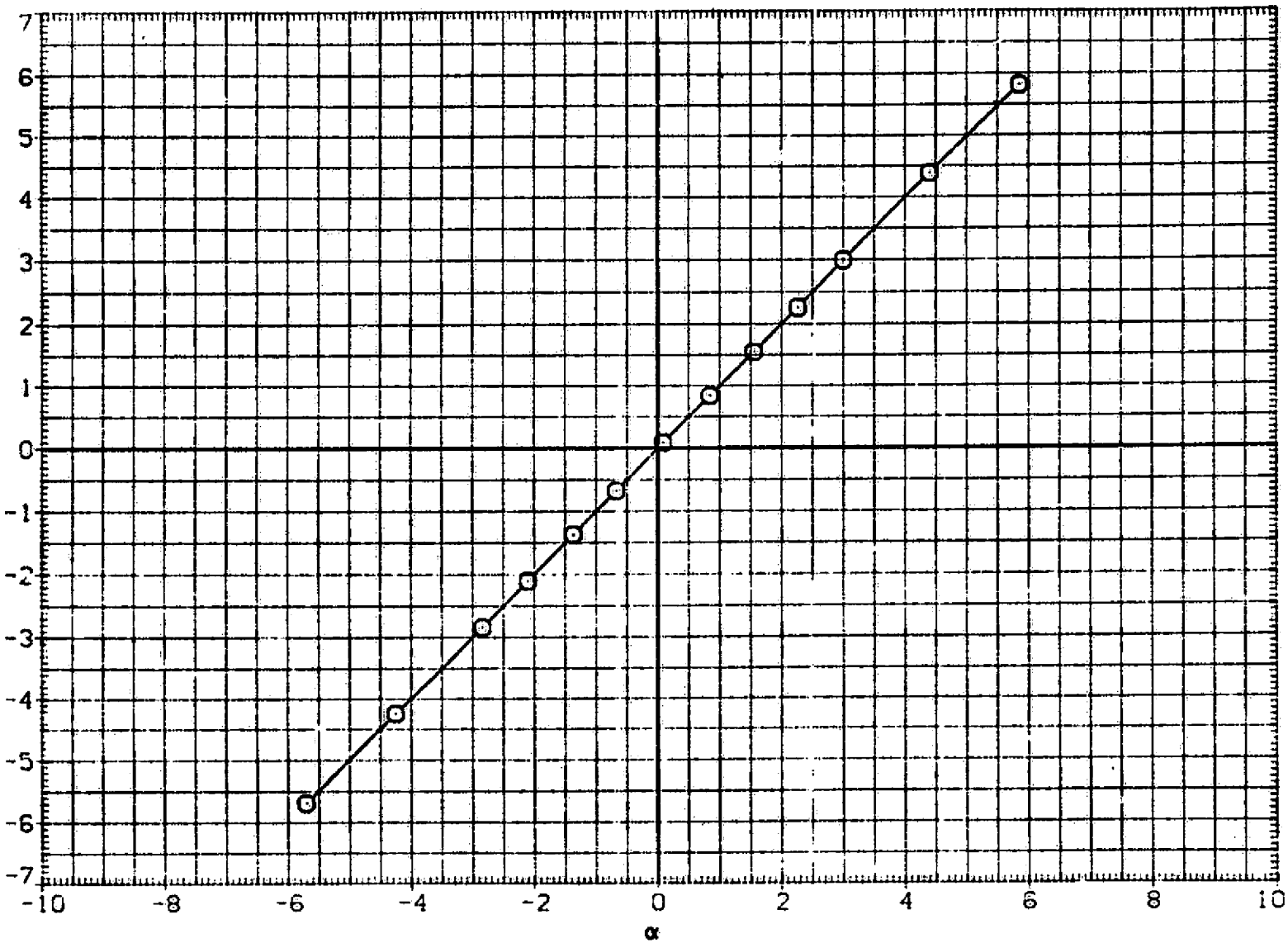


FIG.6 BICONICAL PROBE PRESSURE COEFFICIENTS. PHI=45 DEGREES

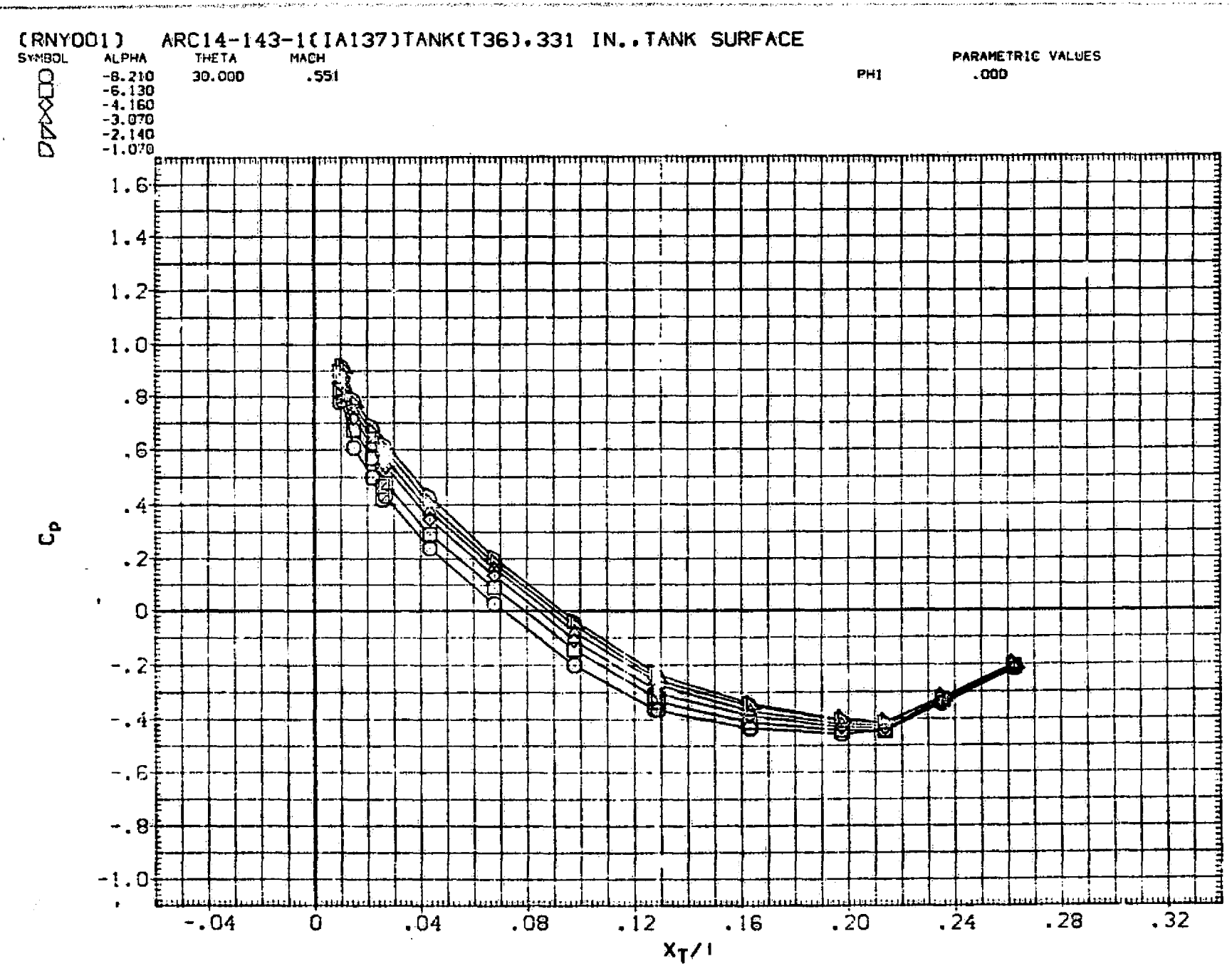


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

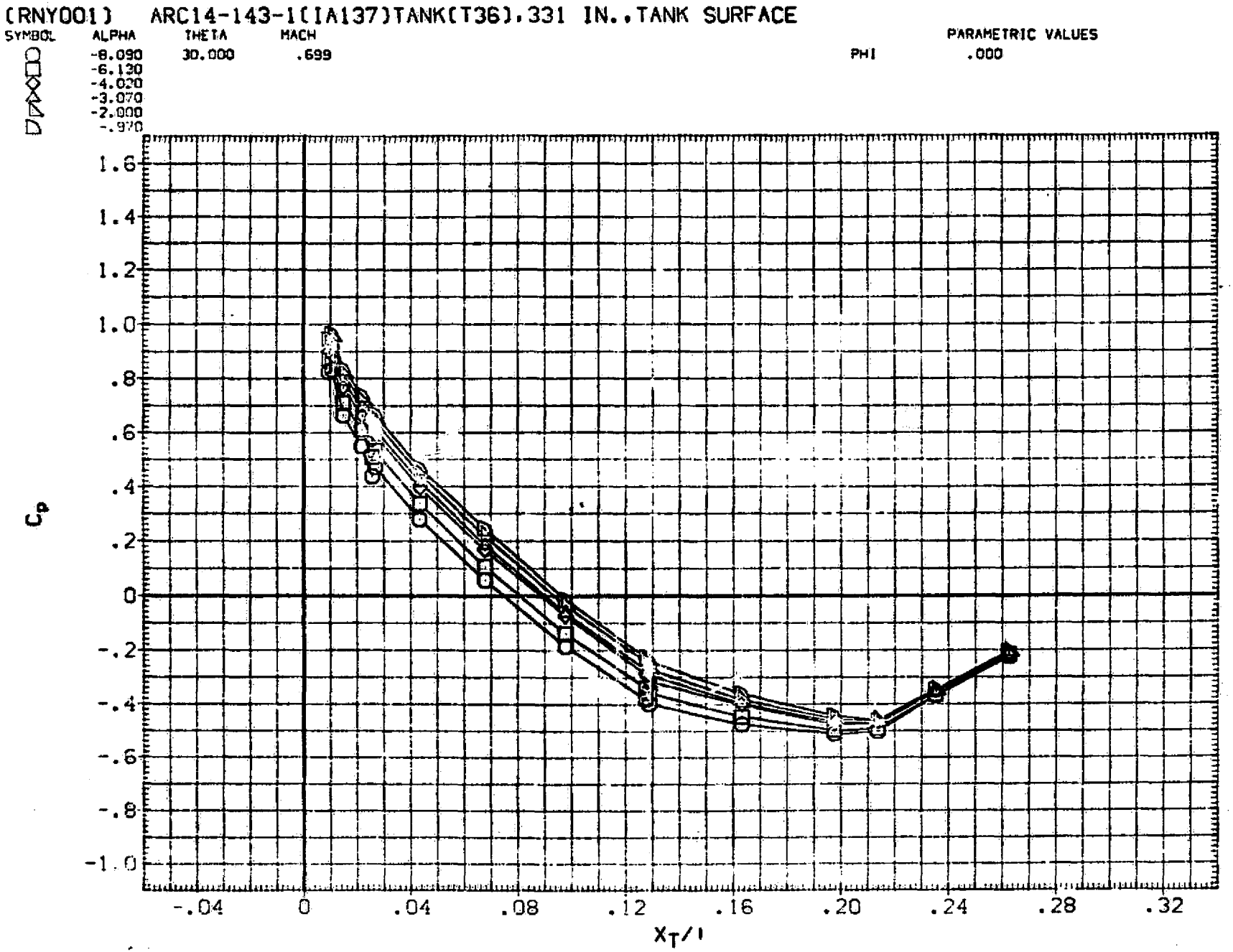


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-8.250	30.000	.802	PHI .000
	-6.220			
	-4.180			
	-3.110			
	-2.100			
	-1.170			

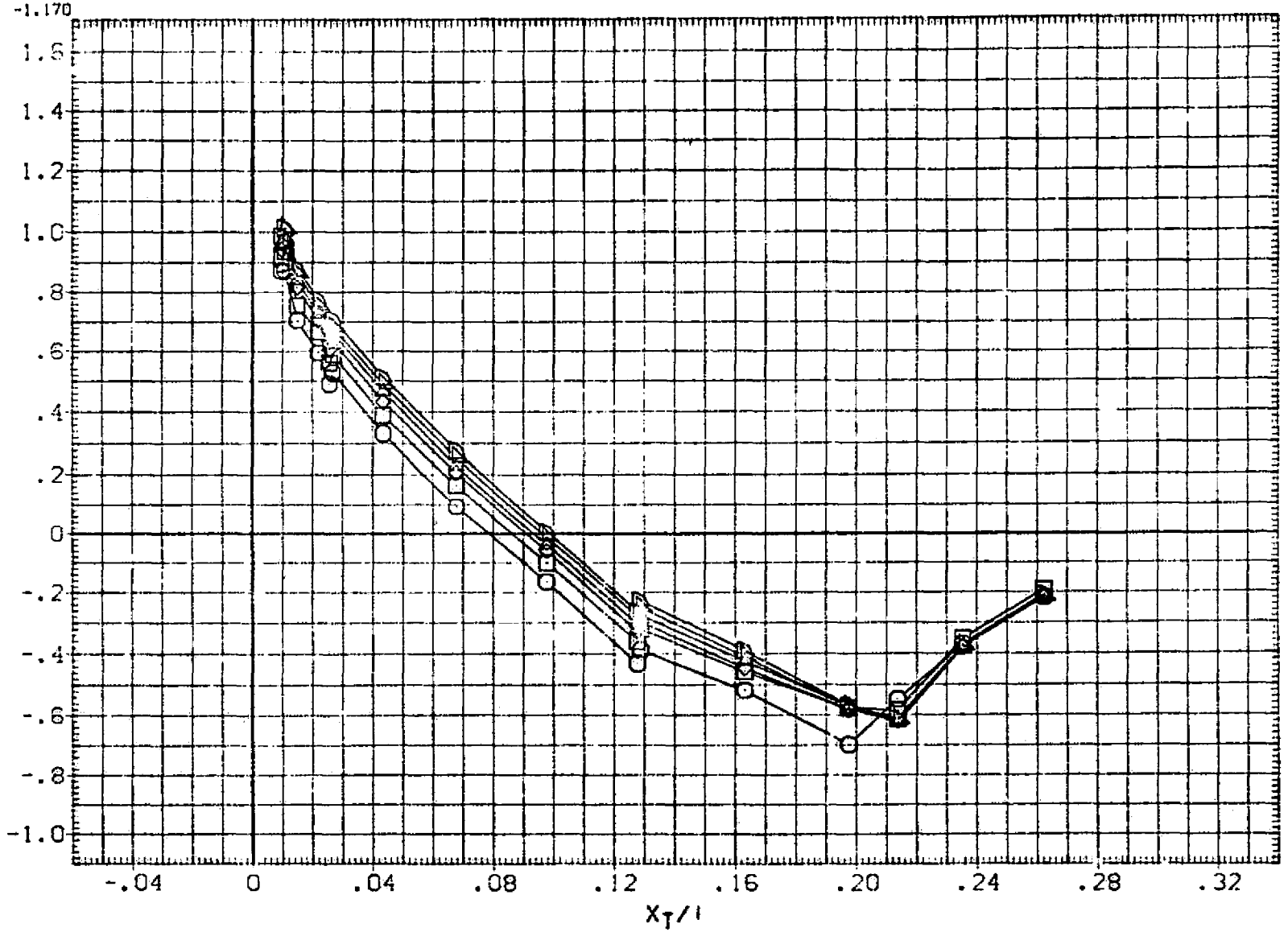


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-8.070	30.000	.902	PHI .000
	-6.100			
	-4.080			
	-3.030			
	-2.020			
	-1.010			

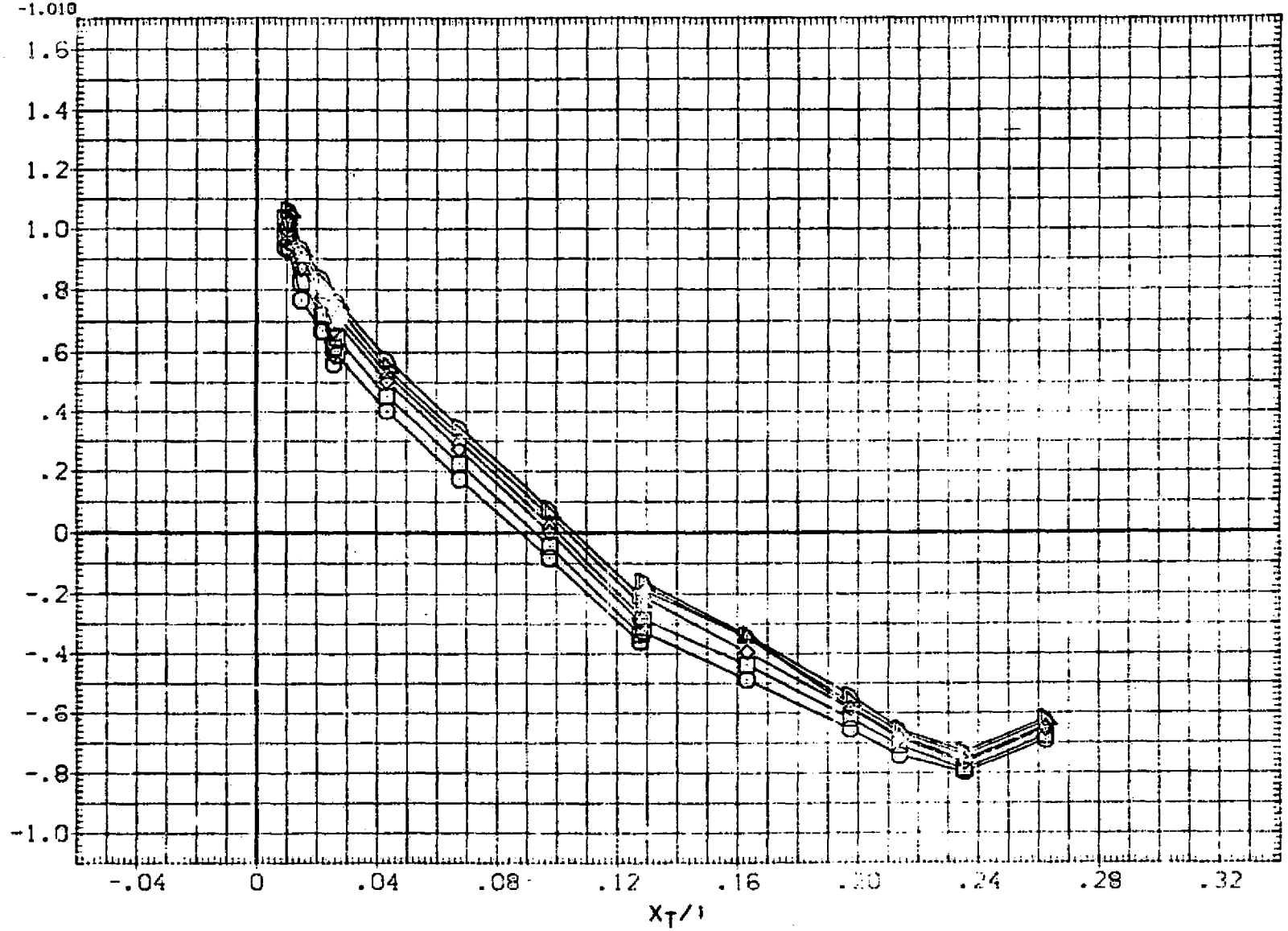


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

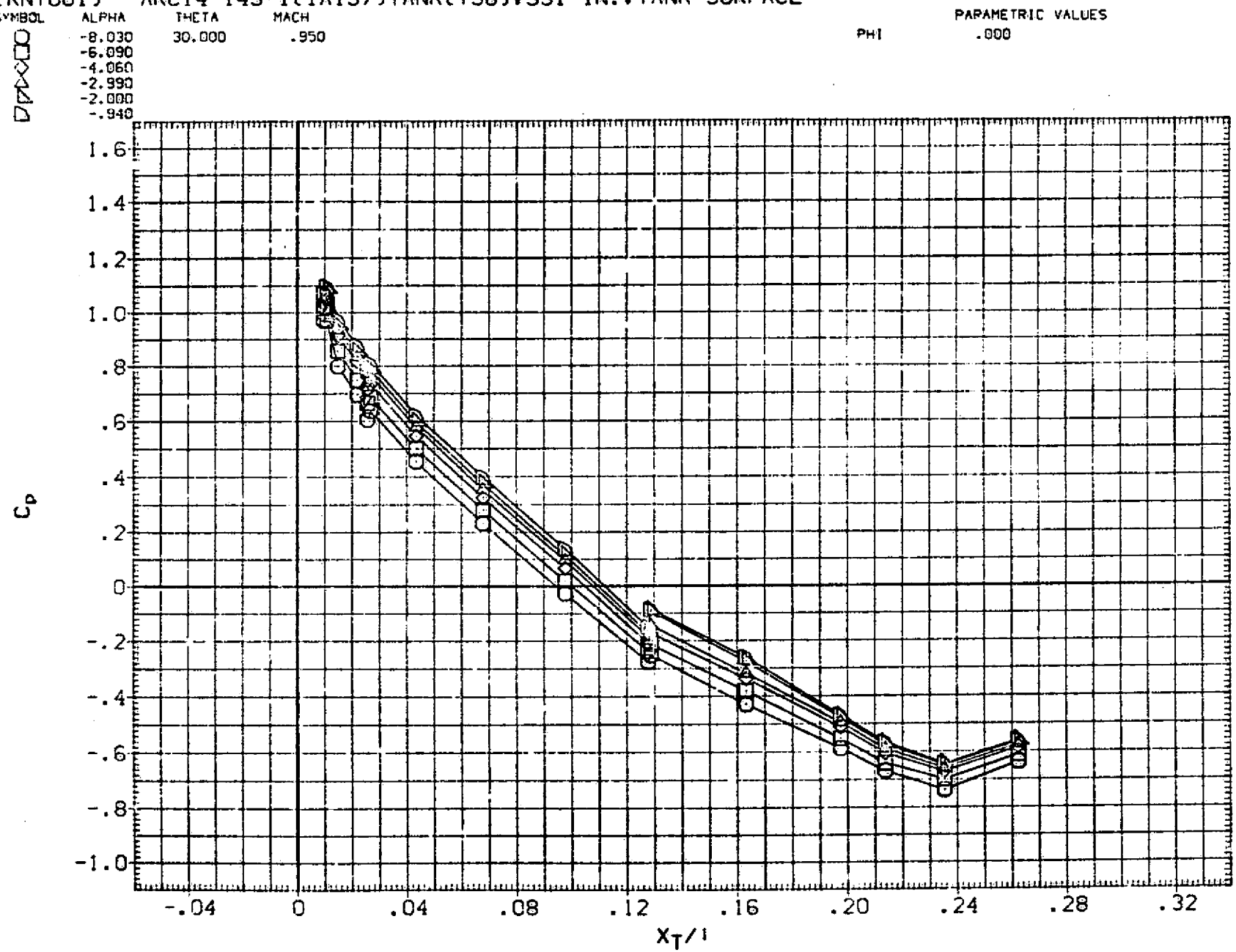


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-8.080	30.000	1.051	PHI .000
	-6.050			
	-4.010			
	-2.960			
	-1.780			
	-.910			

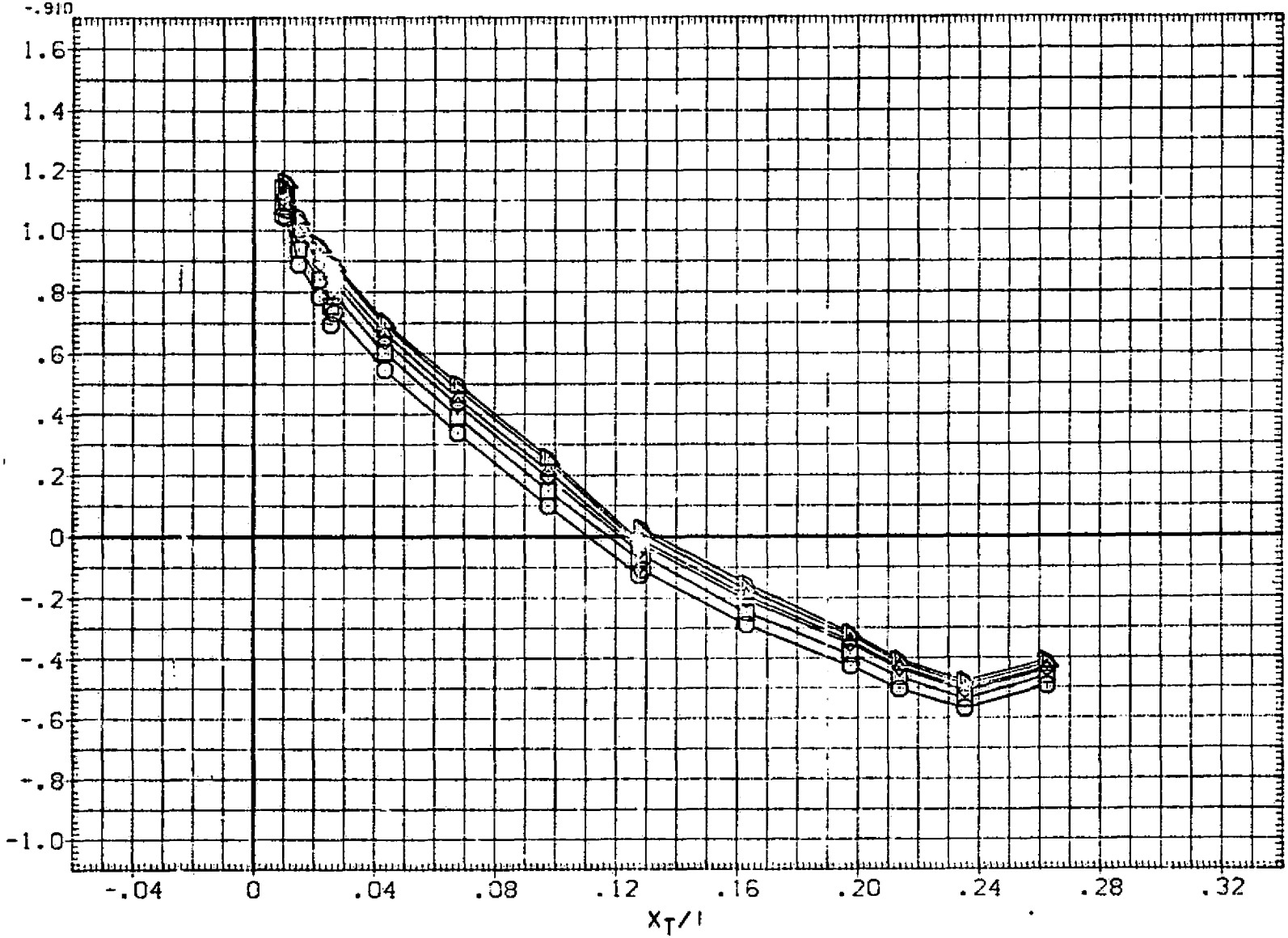


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-8.030	30.000	1.088	PHI .000
	-6.030			
	-3.960			
	-3.000			
	-1.880			
	-.860			

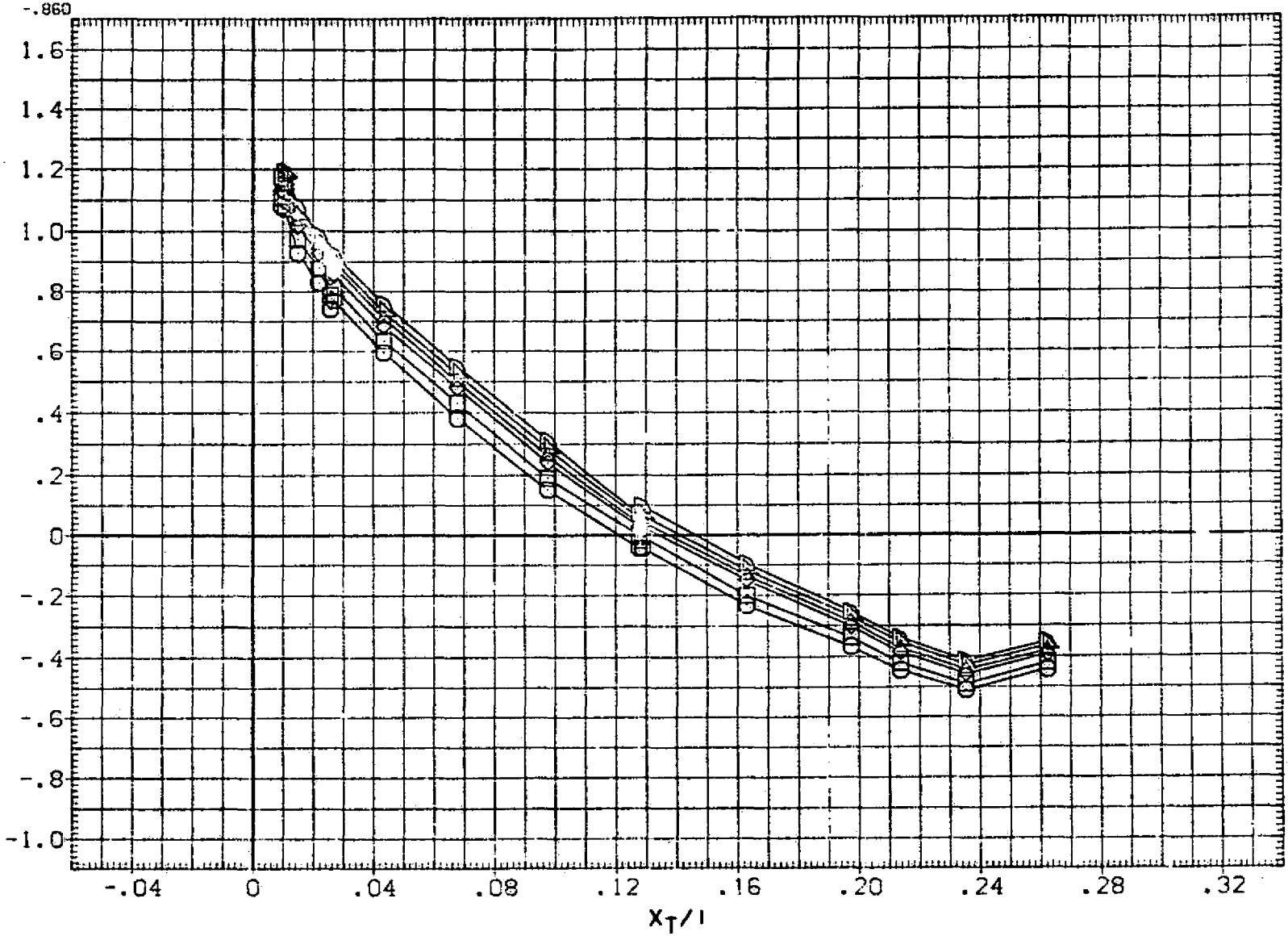


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-2.140	30.000	.551	PHI .000
	-1.070			
	.000			
	1.020			
	2.060			

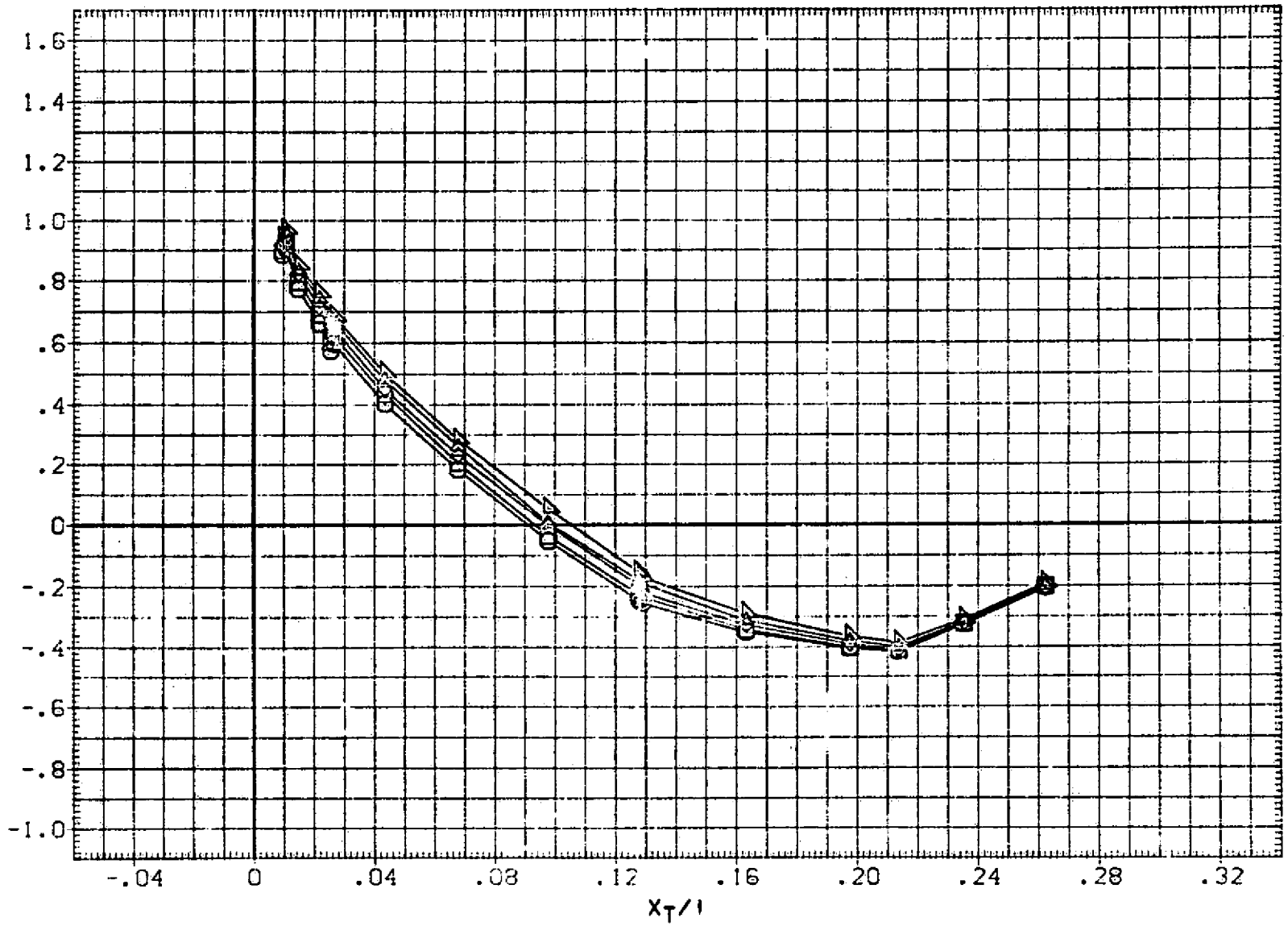


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY001) ARC14-143-1((IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	ALPHA	THETA	MACH
◇	-2.000	30.000	.699
□	-.970		
△	.140		
○	1.100		
▽	2.230		

PARAMETRIC VALUES

PHI .000

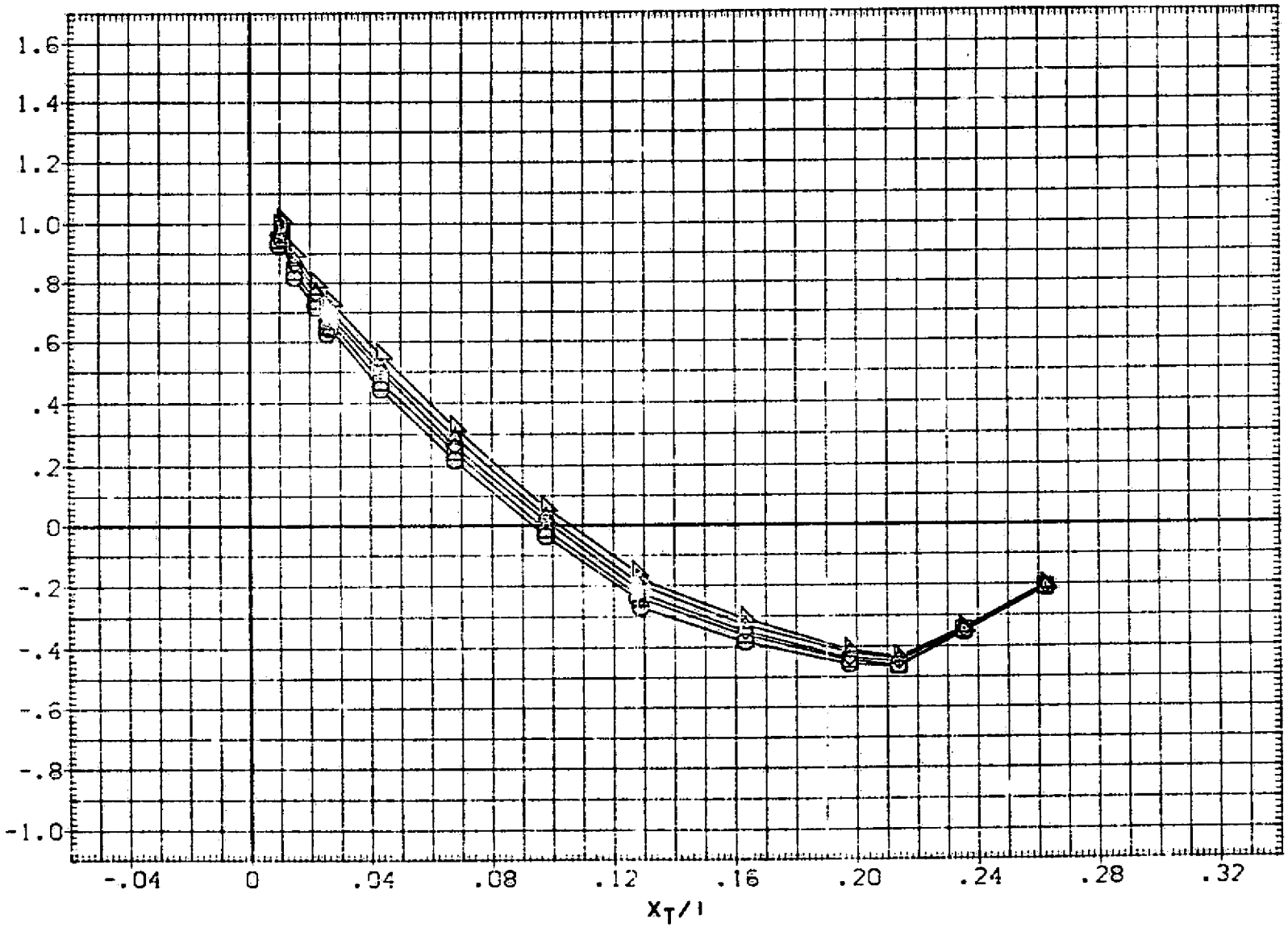


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
□	-2.100	30.000	.802	PHI .000
◇	-1.170			
△	-.040			
	1.020			
	1.990			

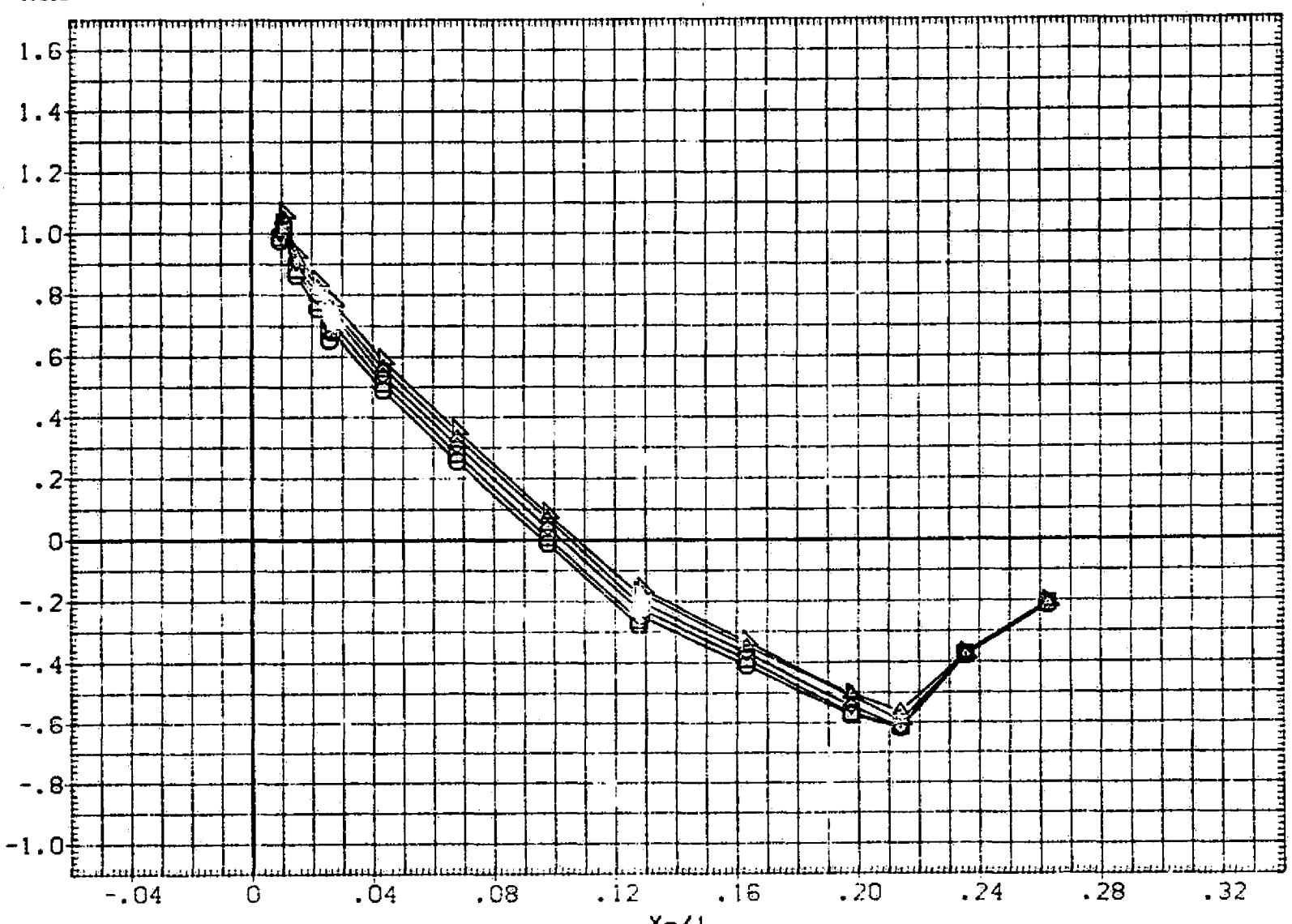


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-2.020	30.000	.902	PHI .000
	-1.010			
	.080			
	1.300			
	2.160			

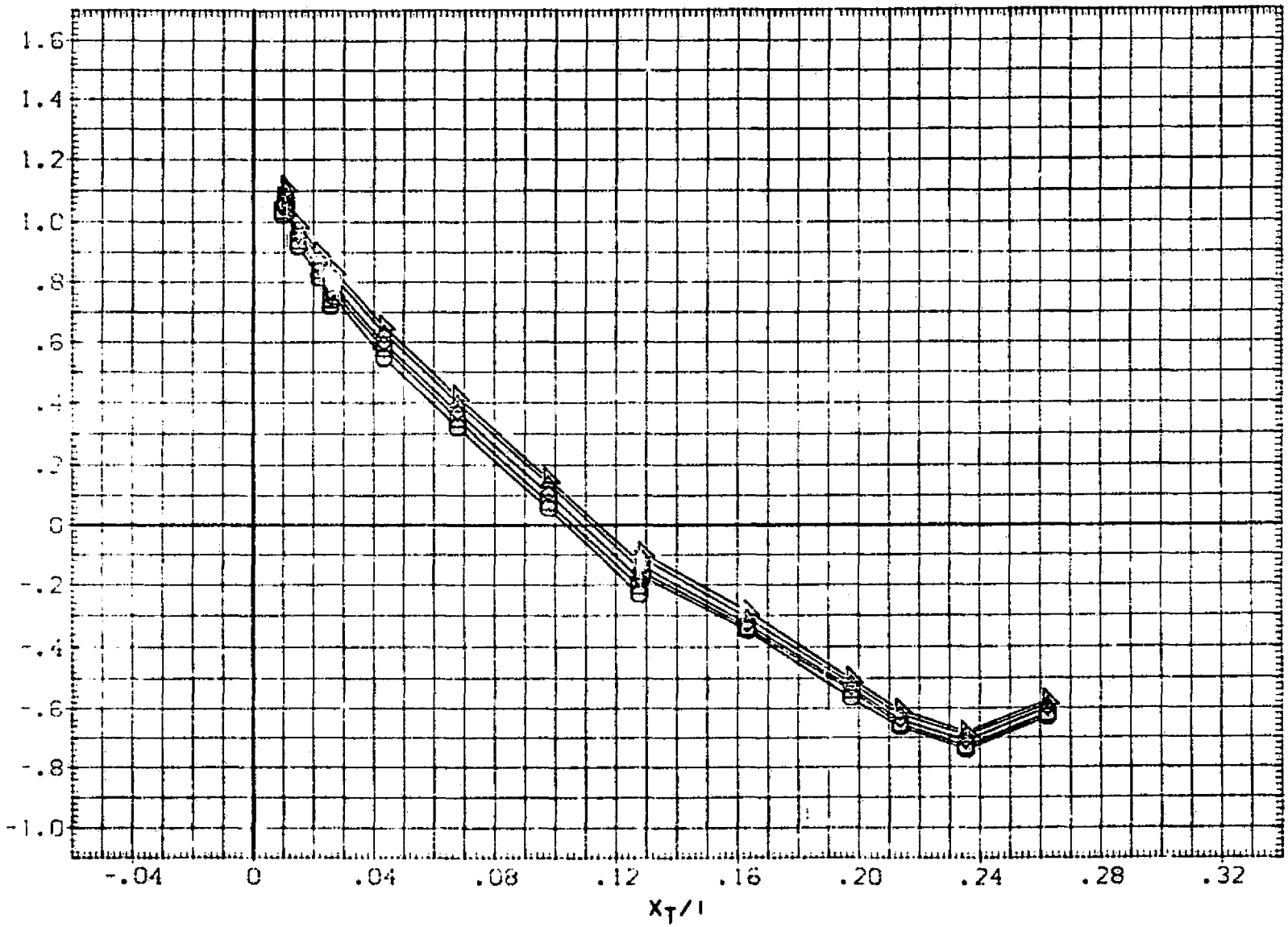


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
□	-2.000	30.000	.950	PHI .000
▽	-.940			
◇	.050			
△	1.140			
	2.180			

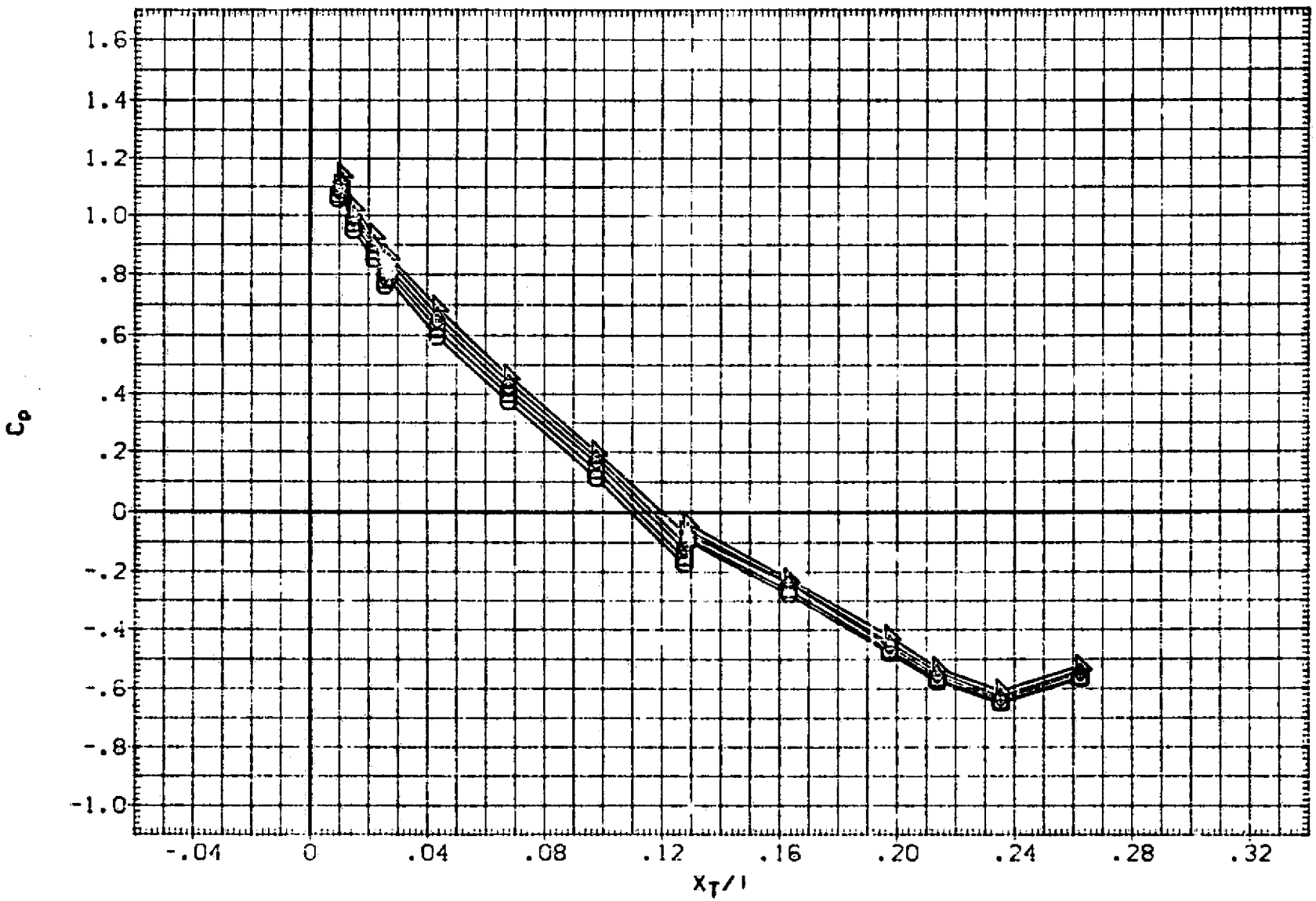


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH
○	-1.780	30.000	1.051
□	-.910		
◇	.280		
△	1.210		
◁	2.190		

PARAMETRIC VALUES

PHI .000

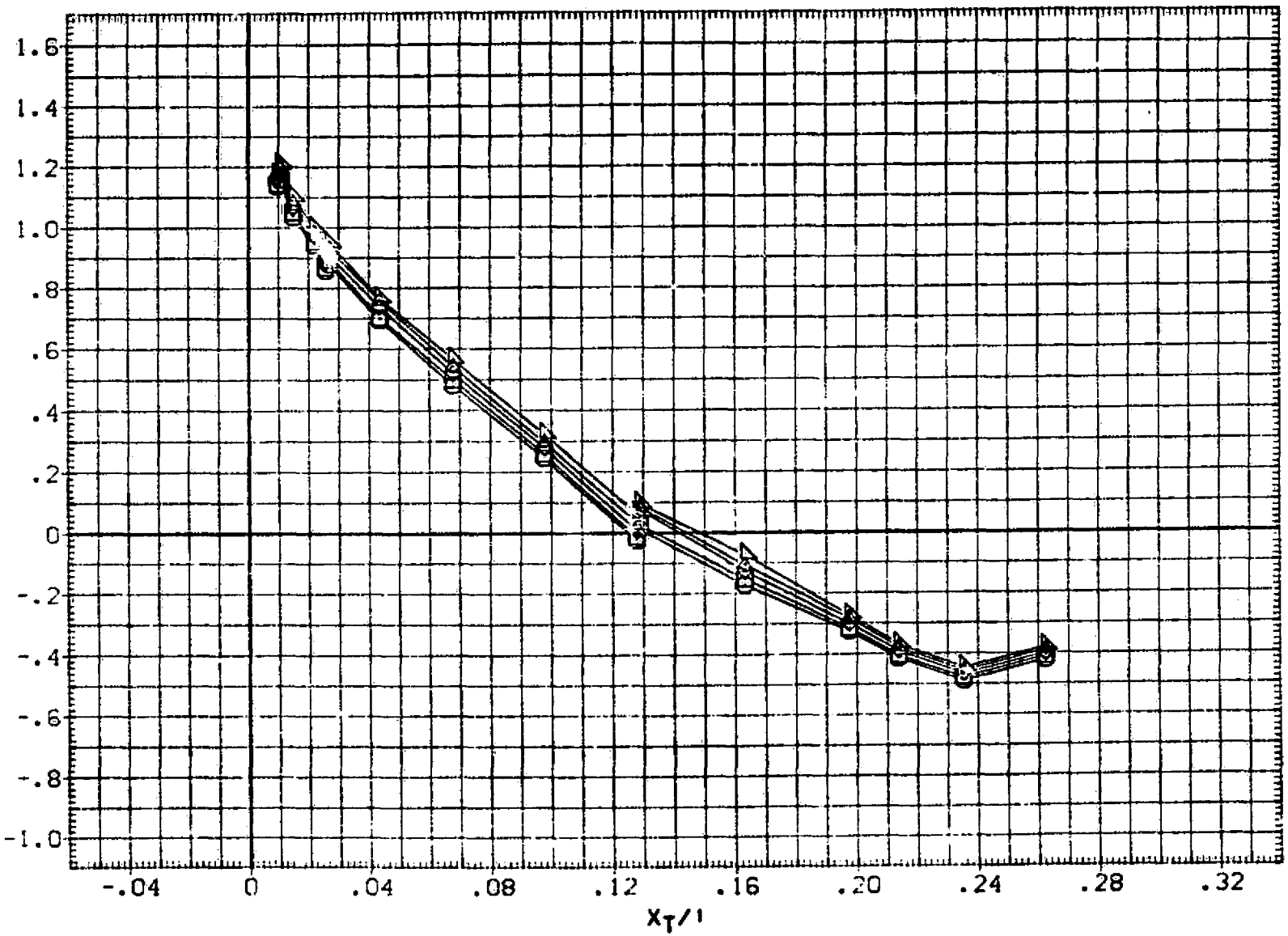


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY001) ARC14-143-1([A137]TANK(T36).331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH
□	-1.880	30.000	1.088
◇	-.860		
▽	.080		
◁	1.180		
△	2.140		

PARAMETRIC VALUES

PHI .000

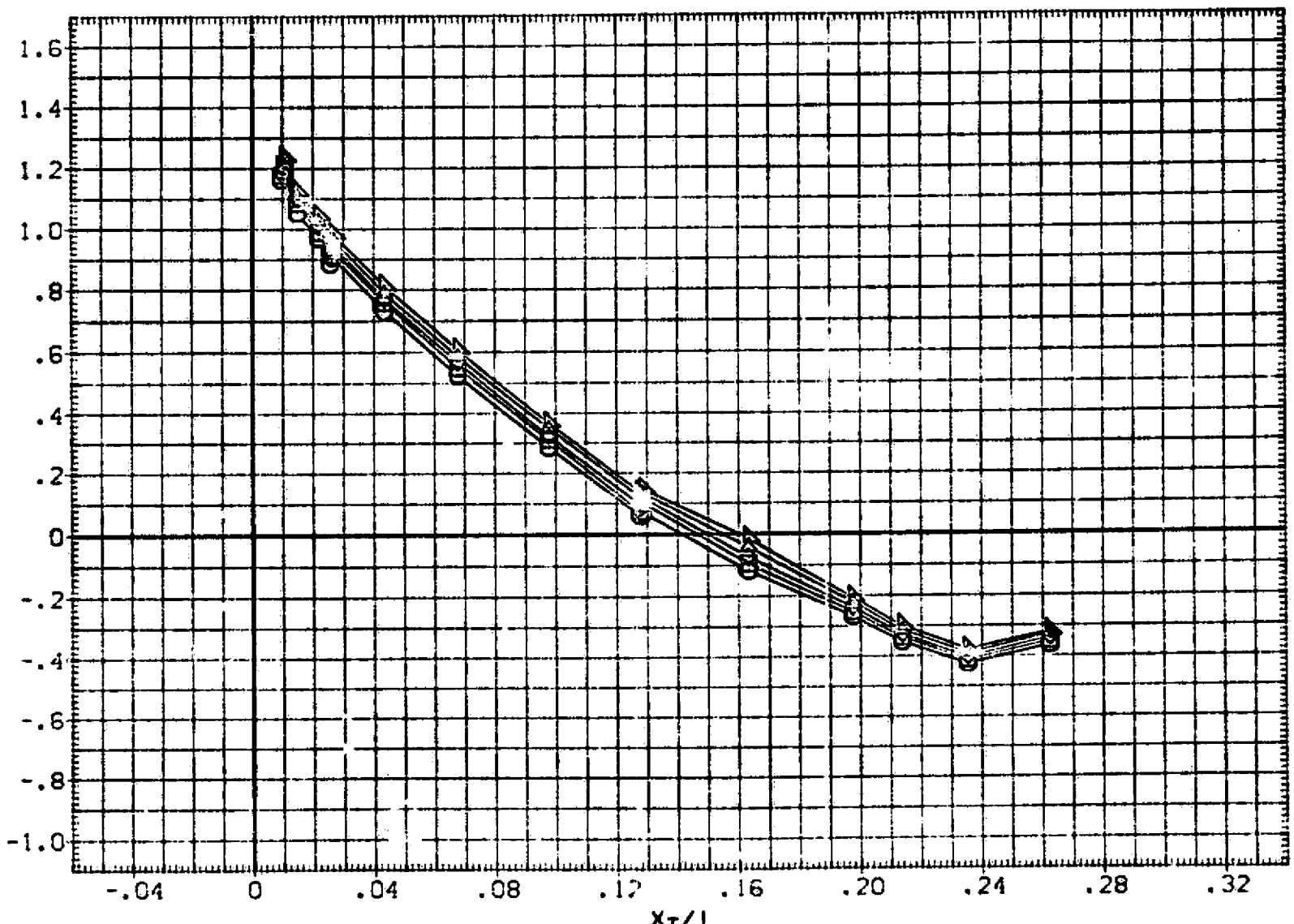


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY001) ARC14-143-1((A137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	1.020	30.000	.551	PHI .000
	2.060			
	3.060			
	4.060			
	6.120			
	8.150			

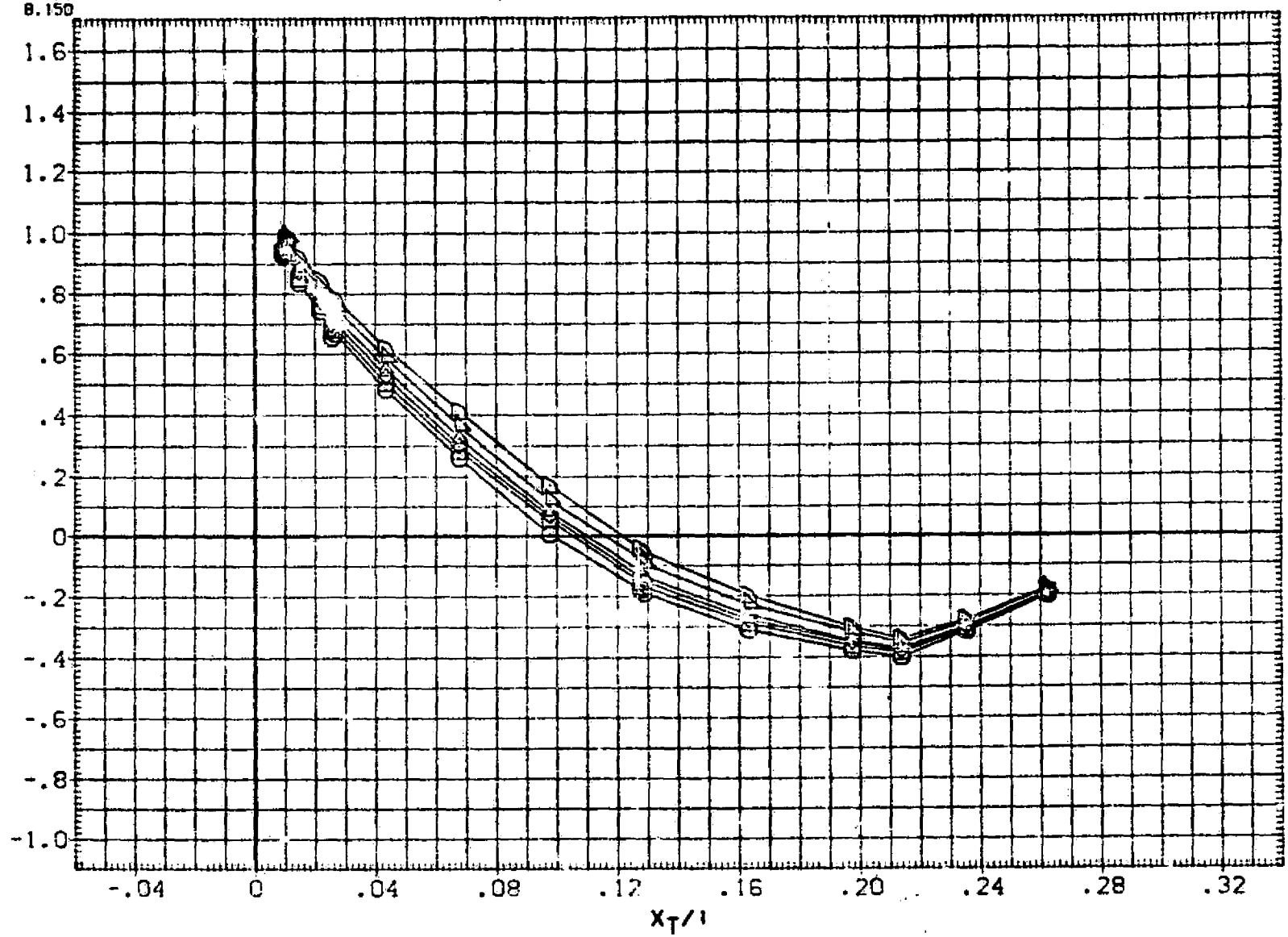


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
	1.100	30.000	.699	PHI	.000
□	2.230				
◇	3.150				
△	4.160				
▽	6.190				
◁	8.290				

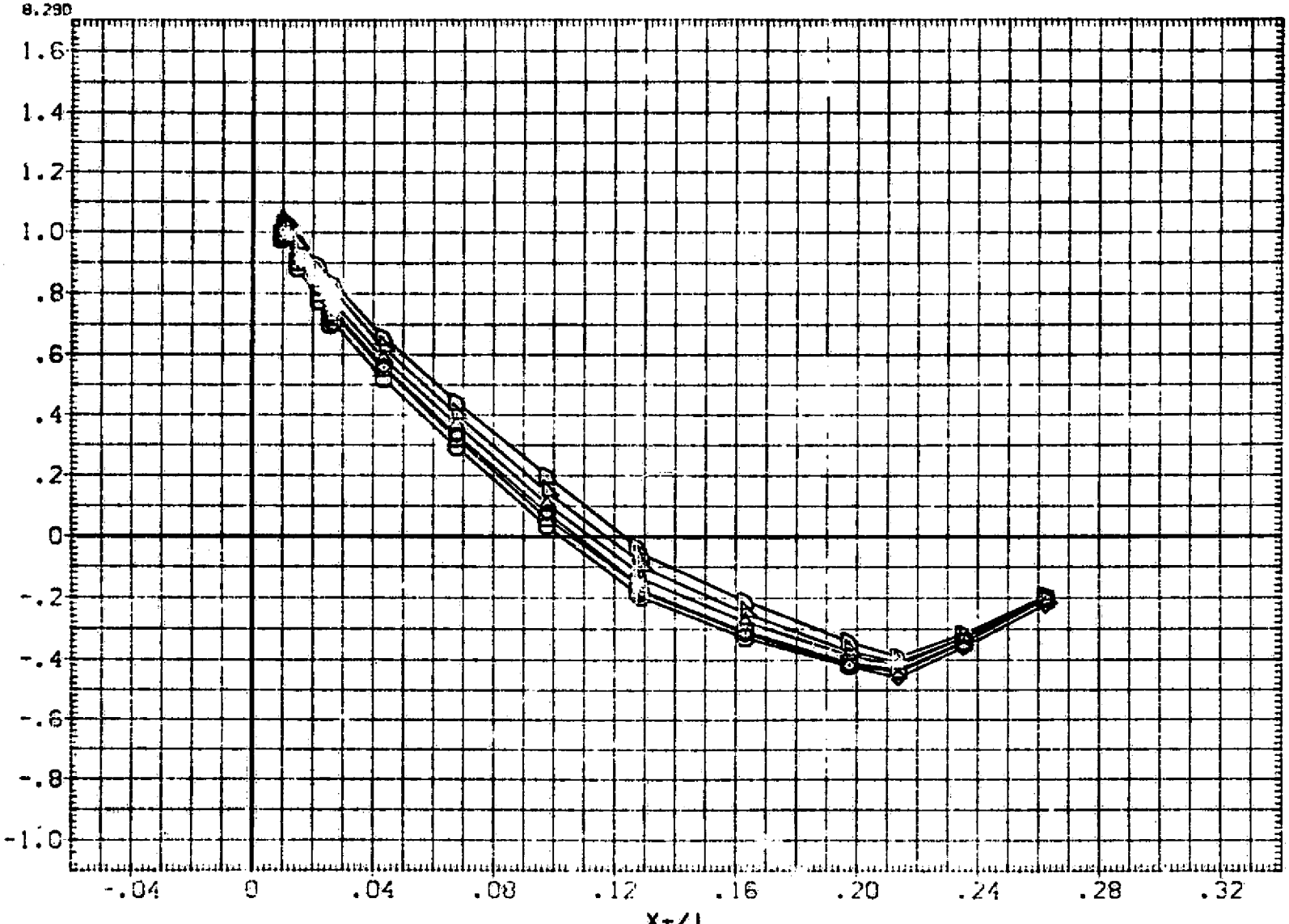


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

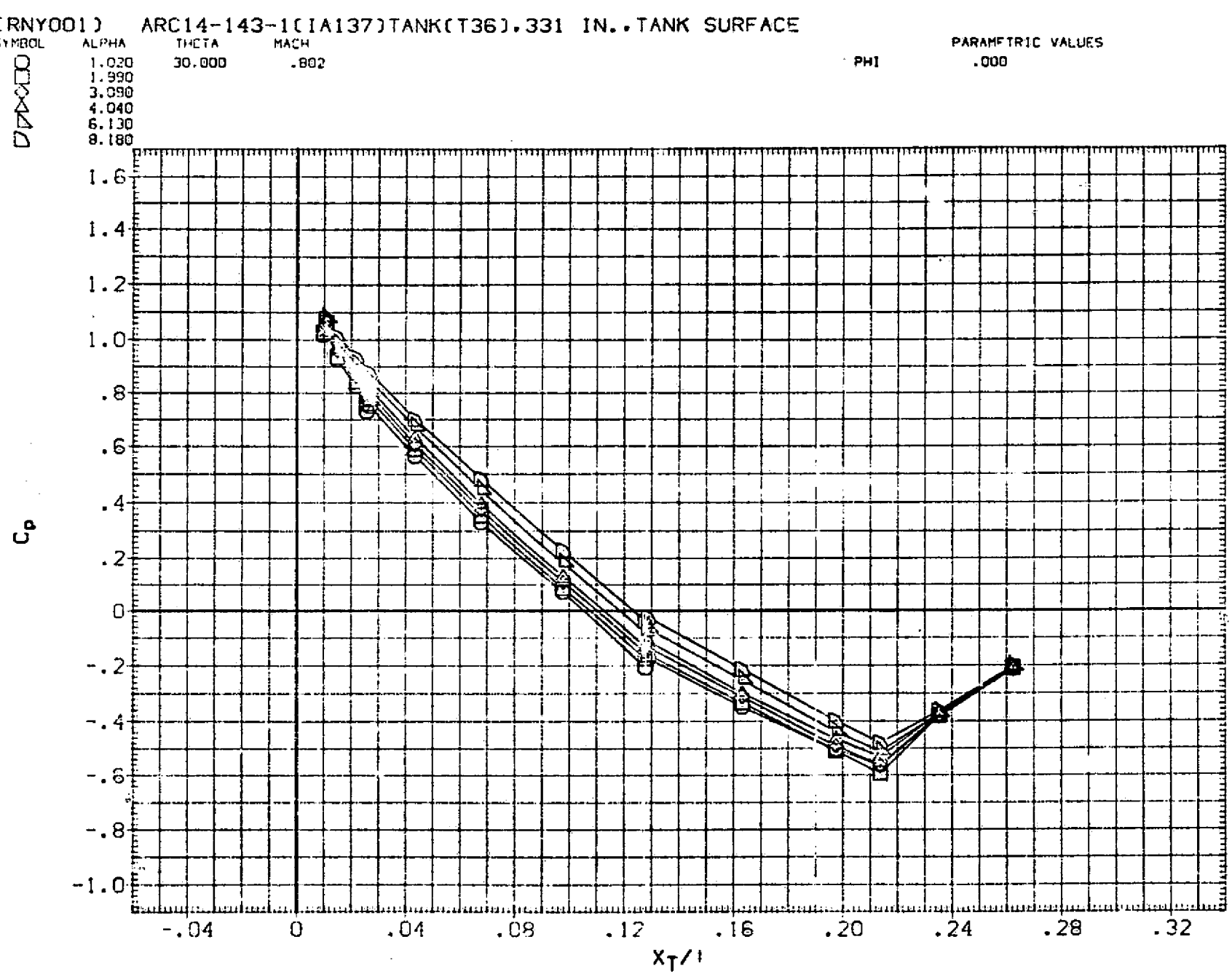


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	1.300	30.000	.902	PHI .000
	2.160			
	3.220			
	4.210			
	6.240			
	8.230			

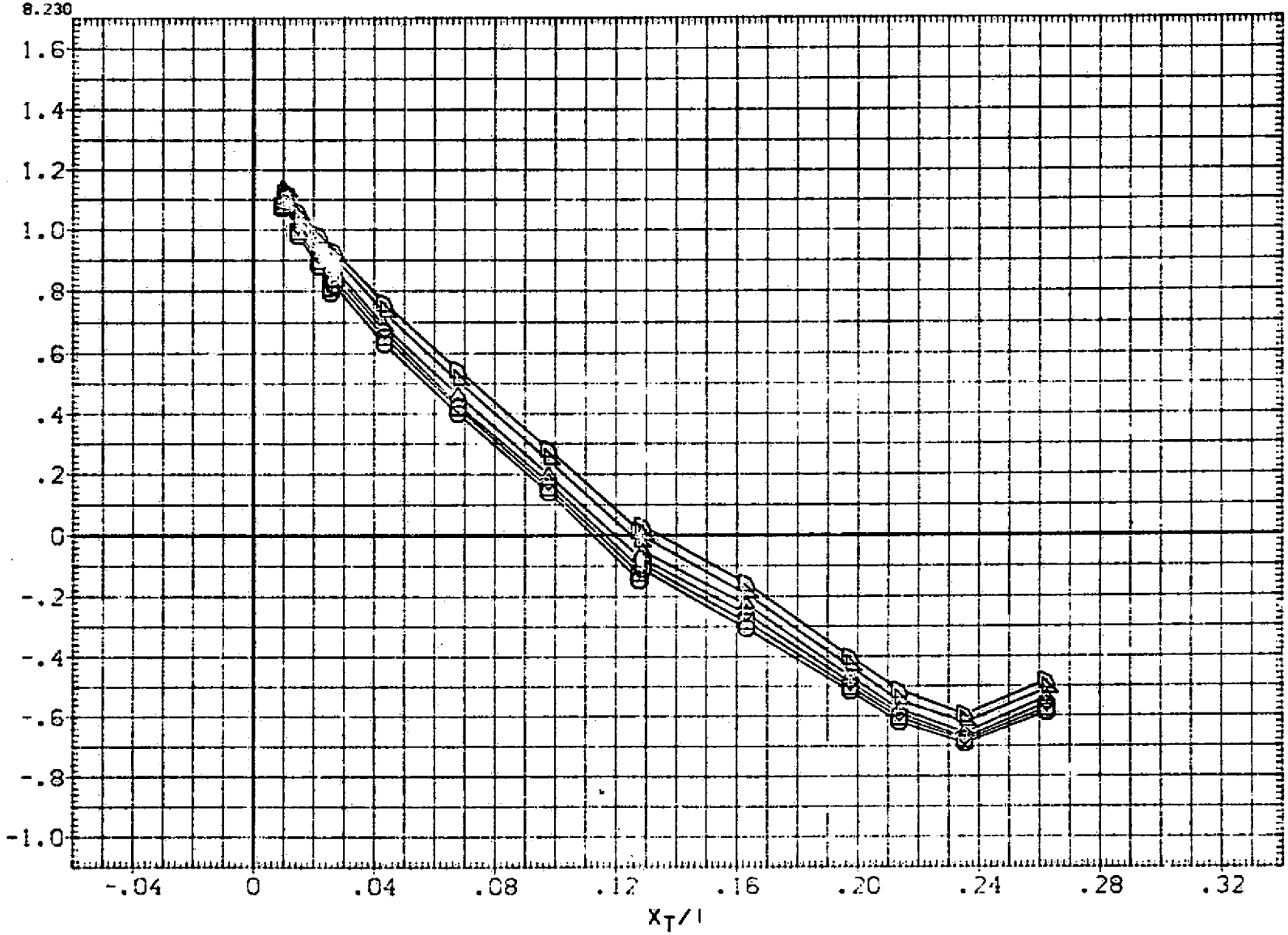


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

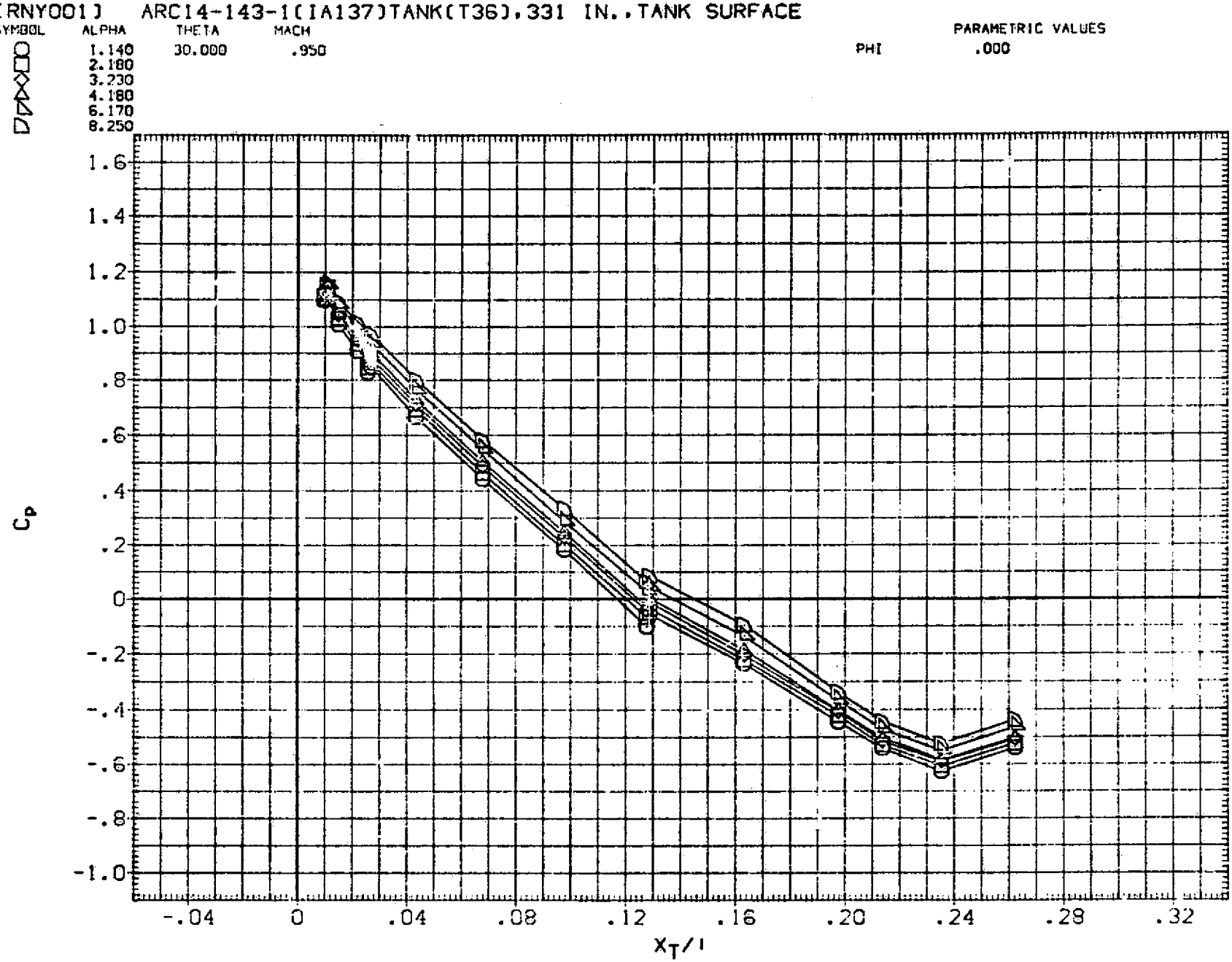


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

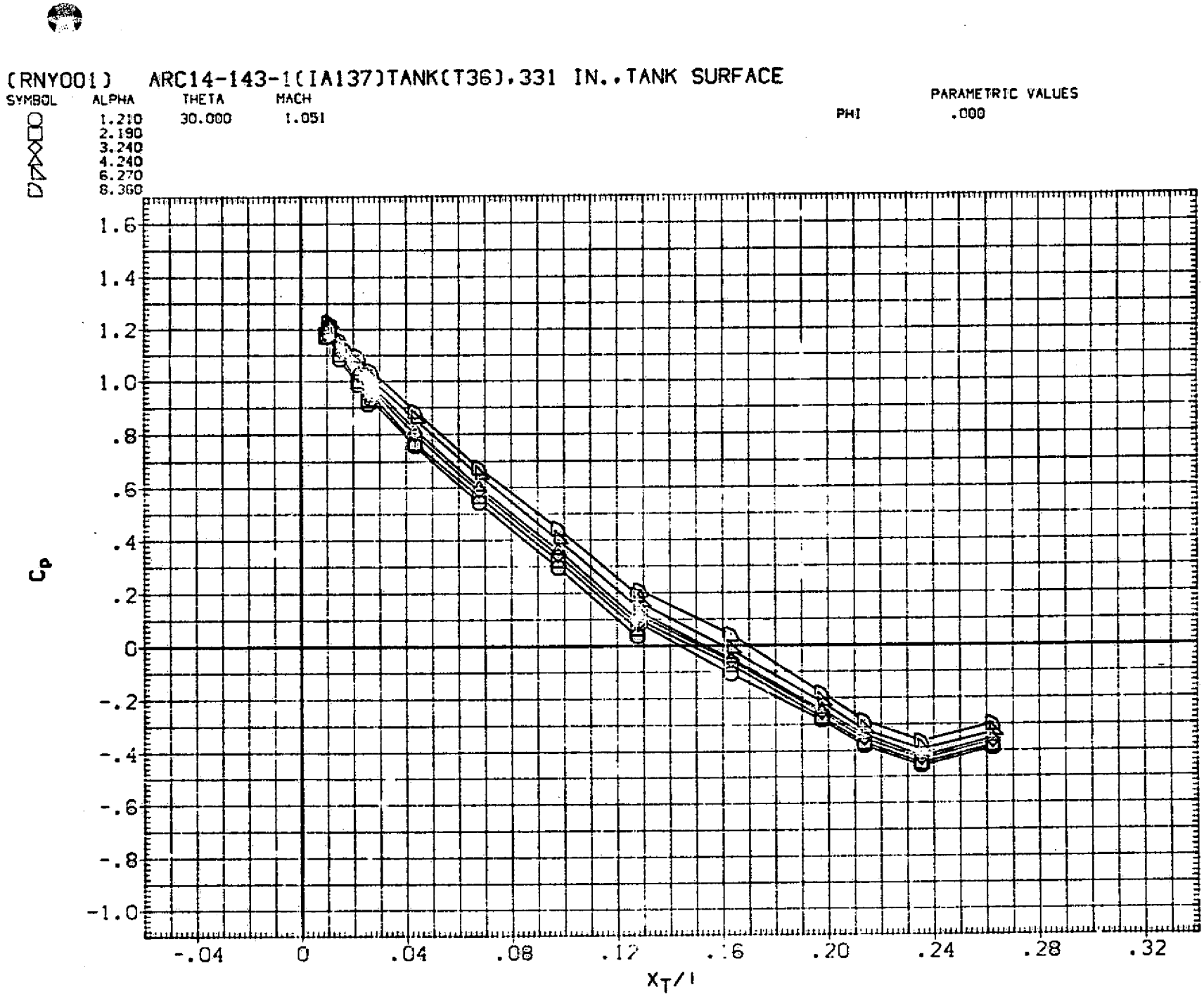


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY001) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	ALPHA	THETA	MACH
□	1.180	30.000	1.088
◇	2.140		
△	3.230		
▽	4.240		
○	6.250		
⊲	8.240		

PARAMETRIC VALUES
PHI .000

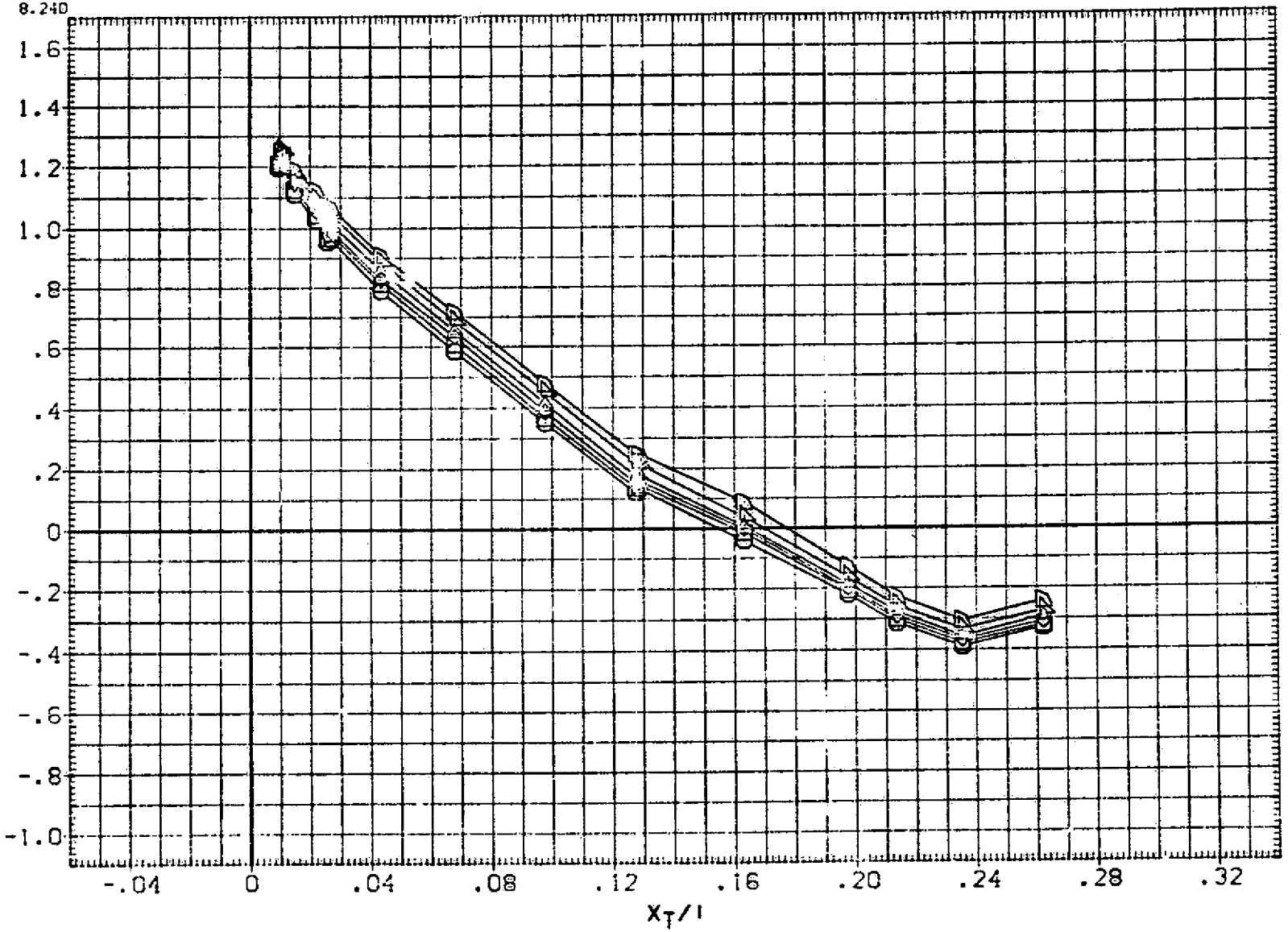


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

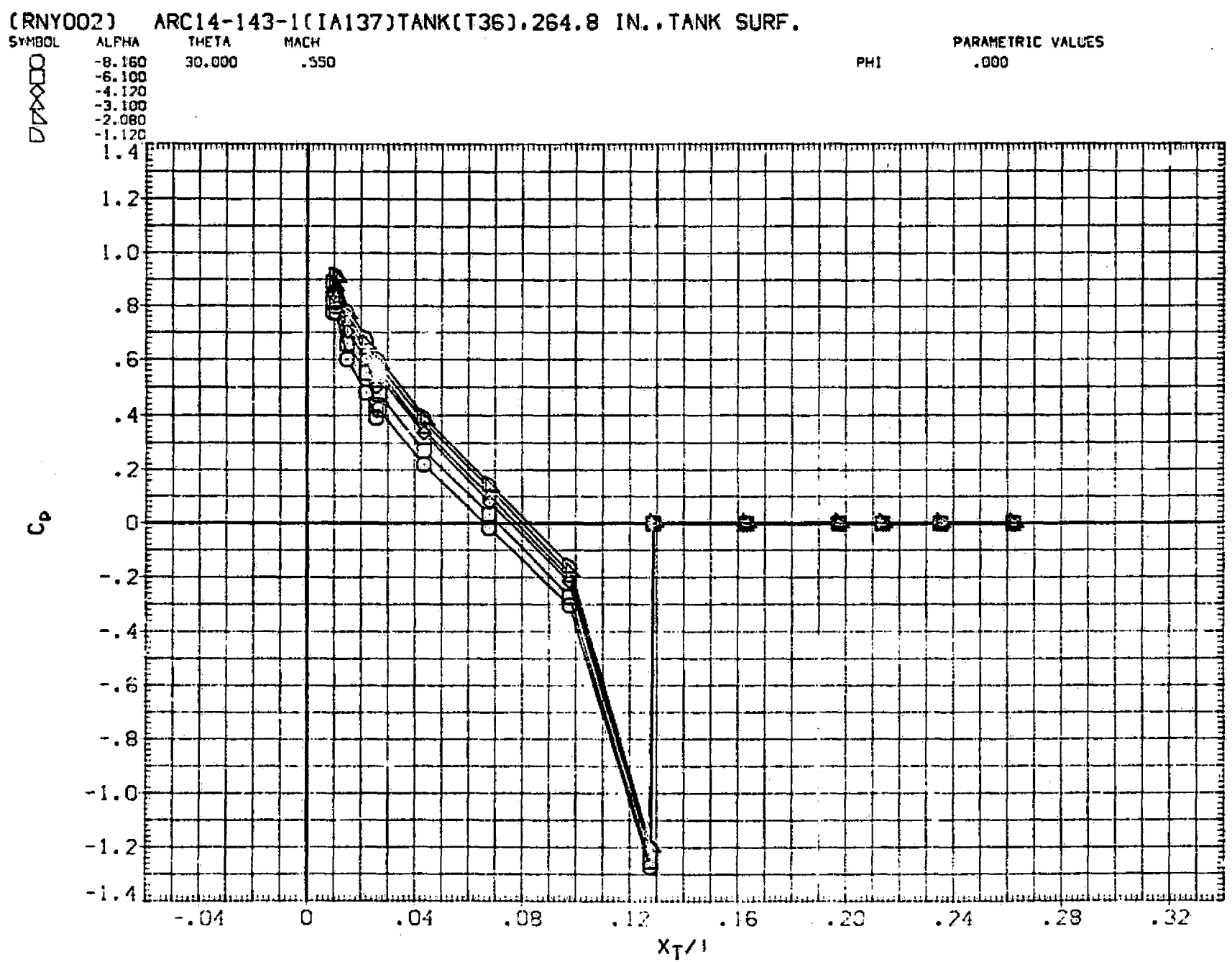


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

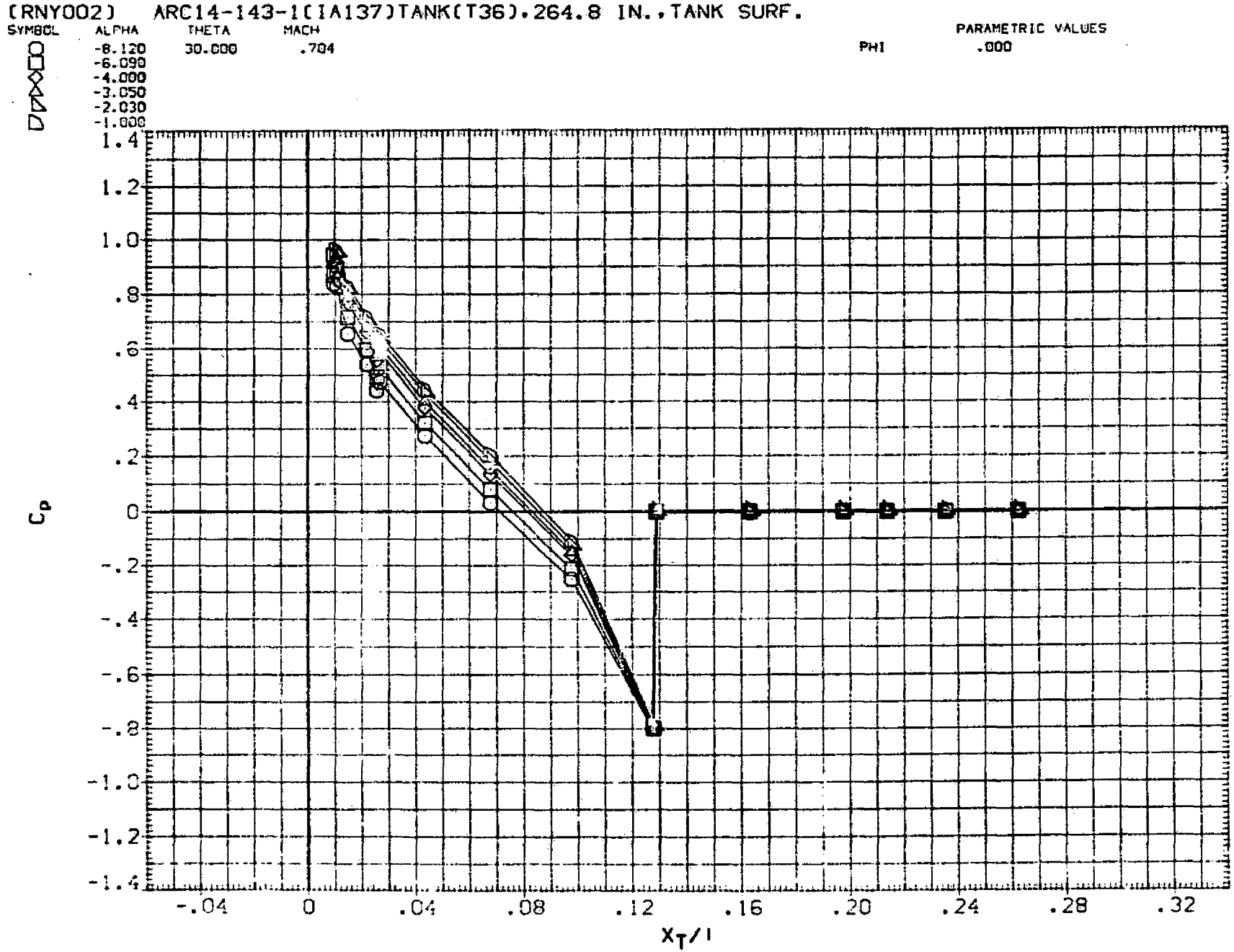


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1([A137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
□	-8.200	30.000	.798
◇	-6.130		
△	-4.100		
▽	-3.130		
○	-2.120		
⊗	-1.100		

PARAMETRIC VALUES

PHI .000

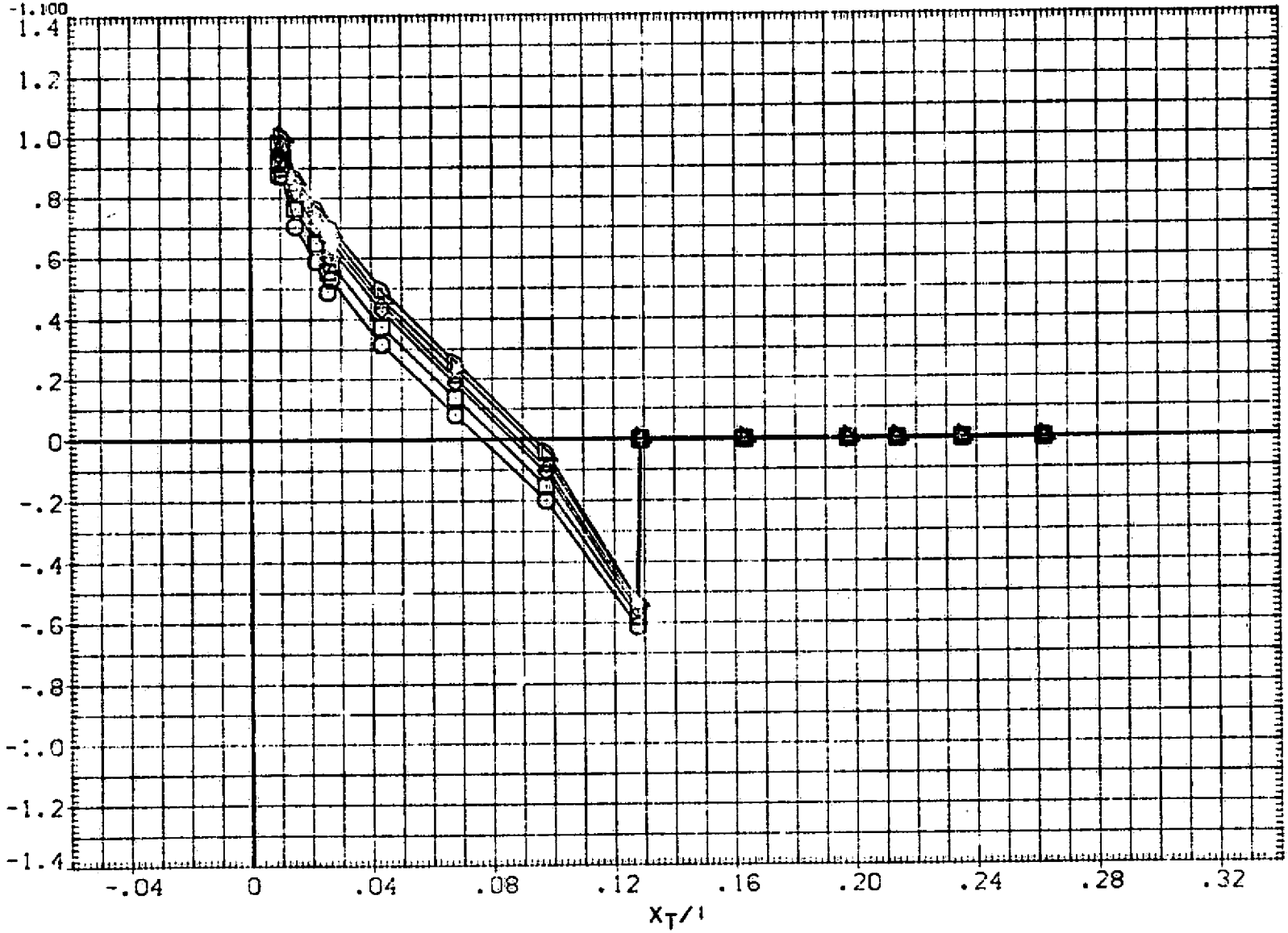


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-8.110	30.000	.900	PHI .000
	-6.010			
	-3.940			
	-1.990			
	-1.000			
	.060			

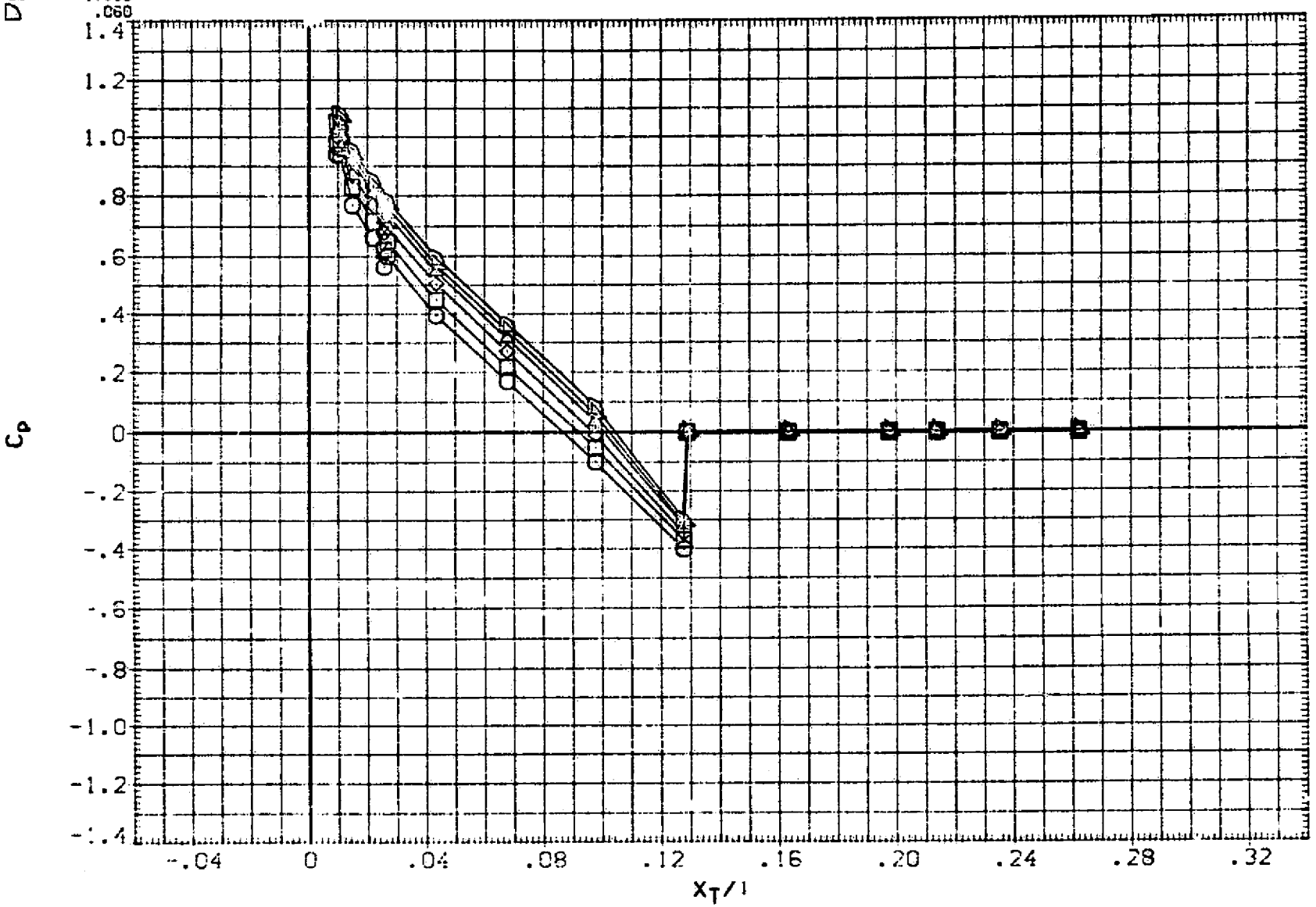


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-8.080	30.000	.947	PHI .000
	-6.060			
	-3.980			
	-3.030			
	-1.950			
	-.990			

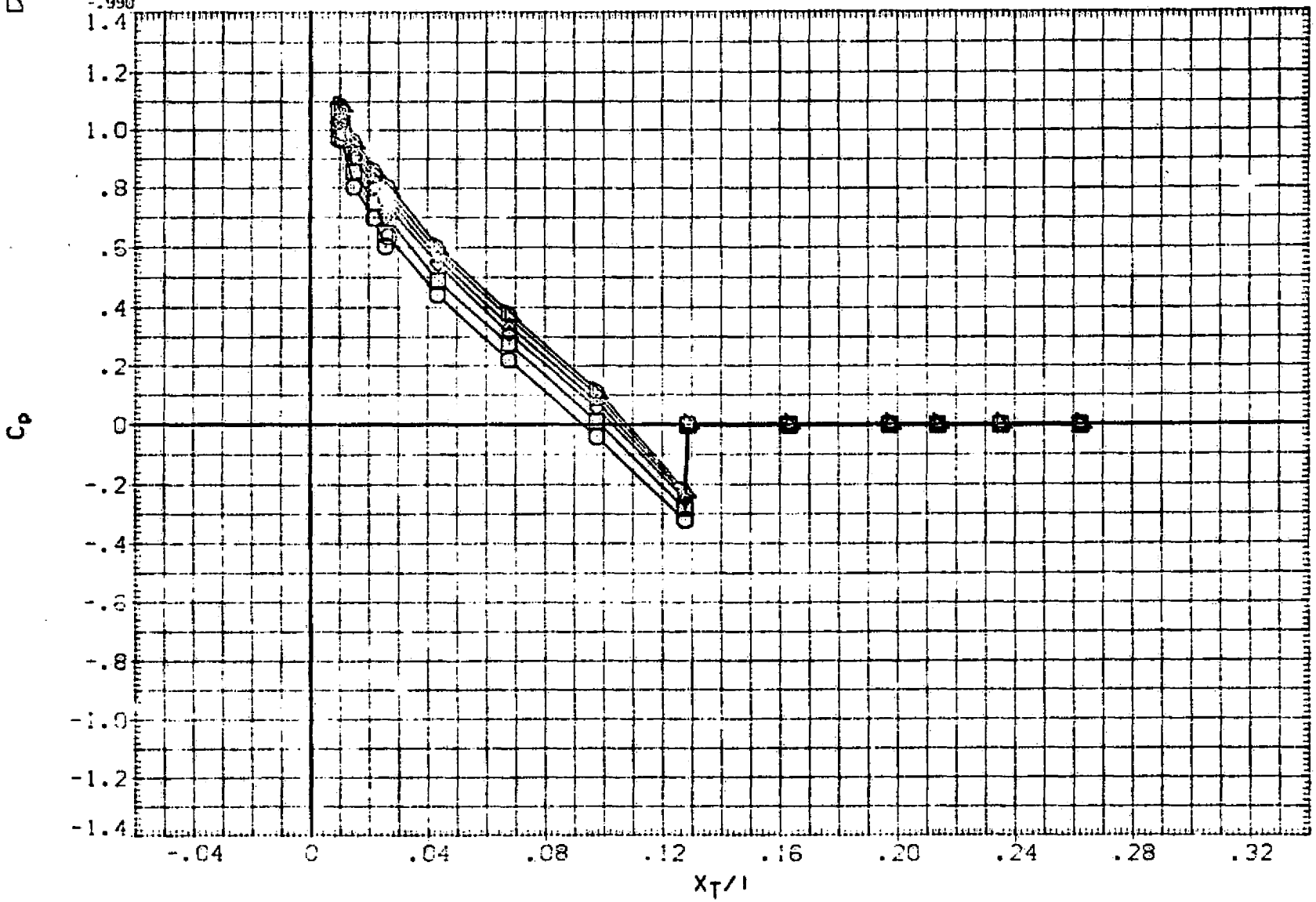


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

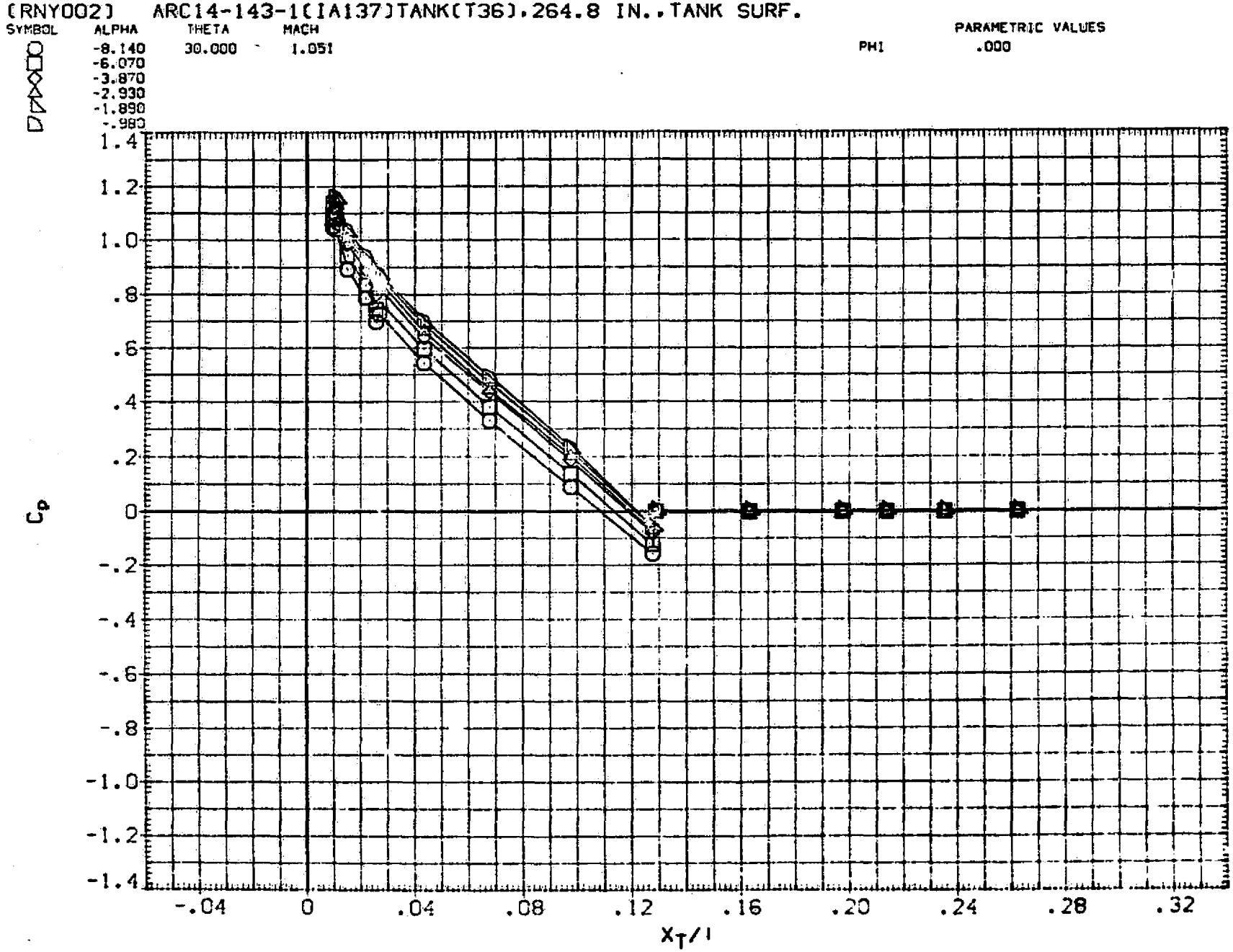


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1([A137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
	-8.040	30.000	1.101	PHI	.000
	-6.040				
	-3.950				
	-2.930				
	-1.910				
	-.930				

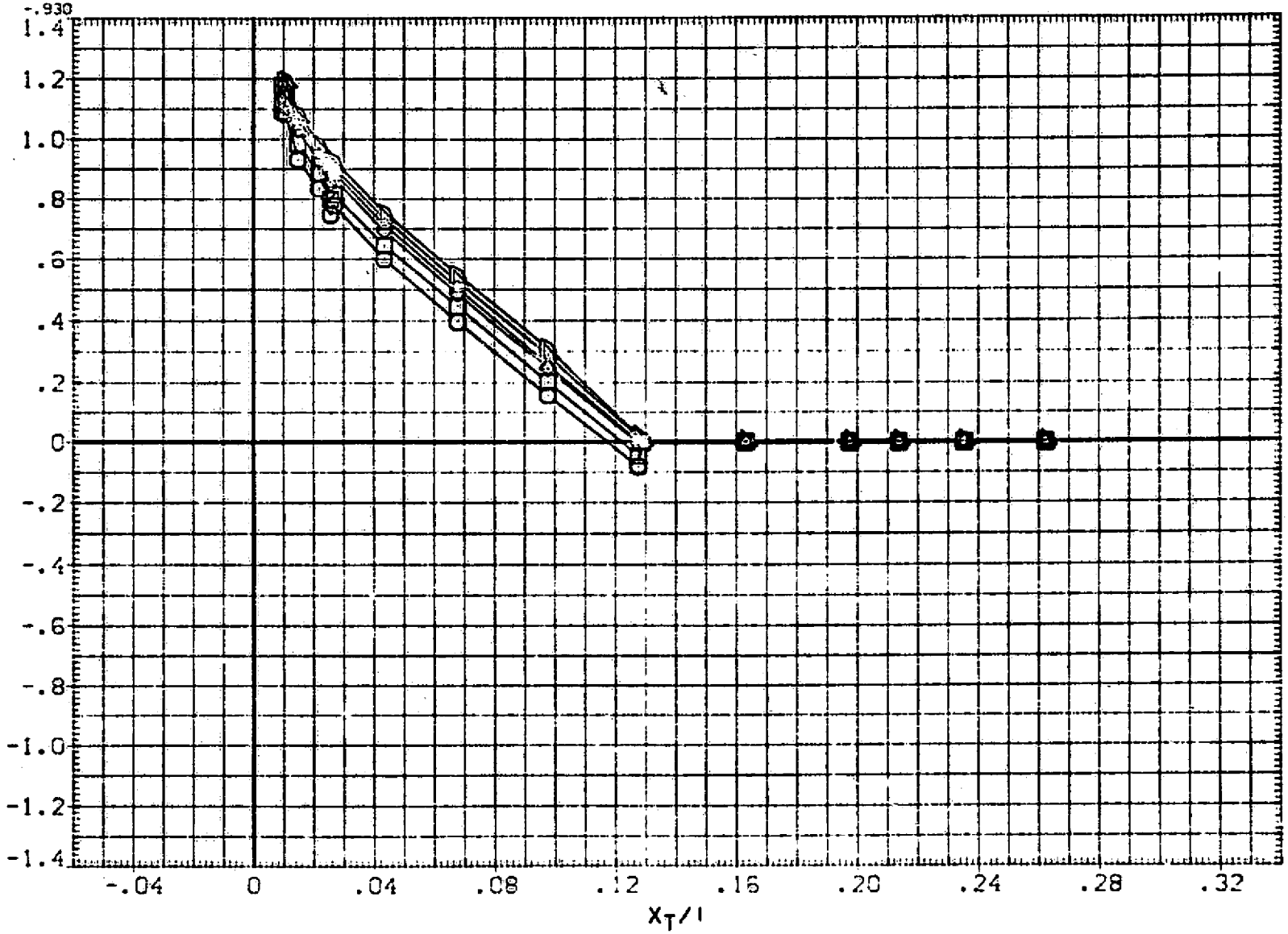


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

[RNY002] ARC14-143-1([A137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
◇	-2.080	30.000	.550	PHI .000
□	-1.120			
○	.000			
△	1.090			
▽	2.080			

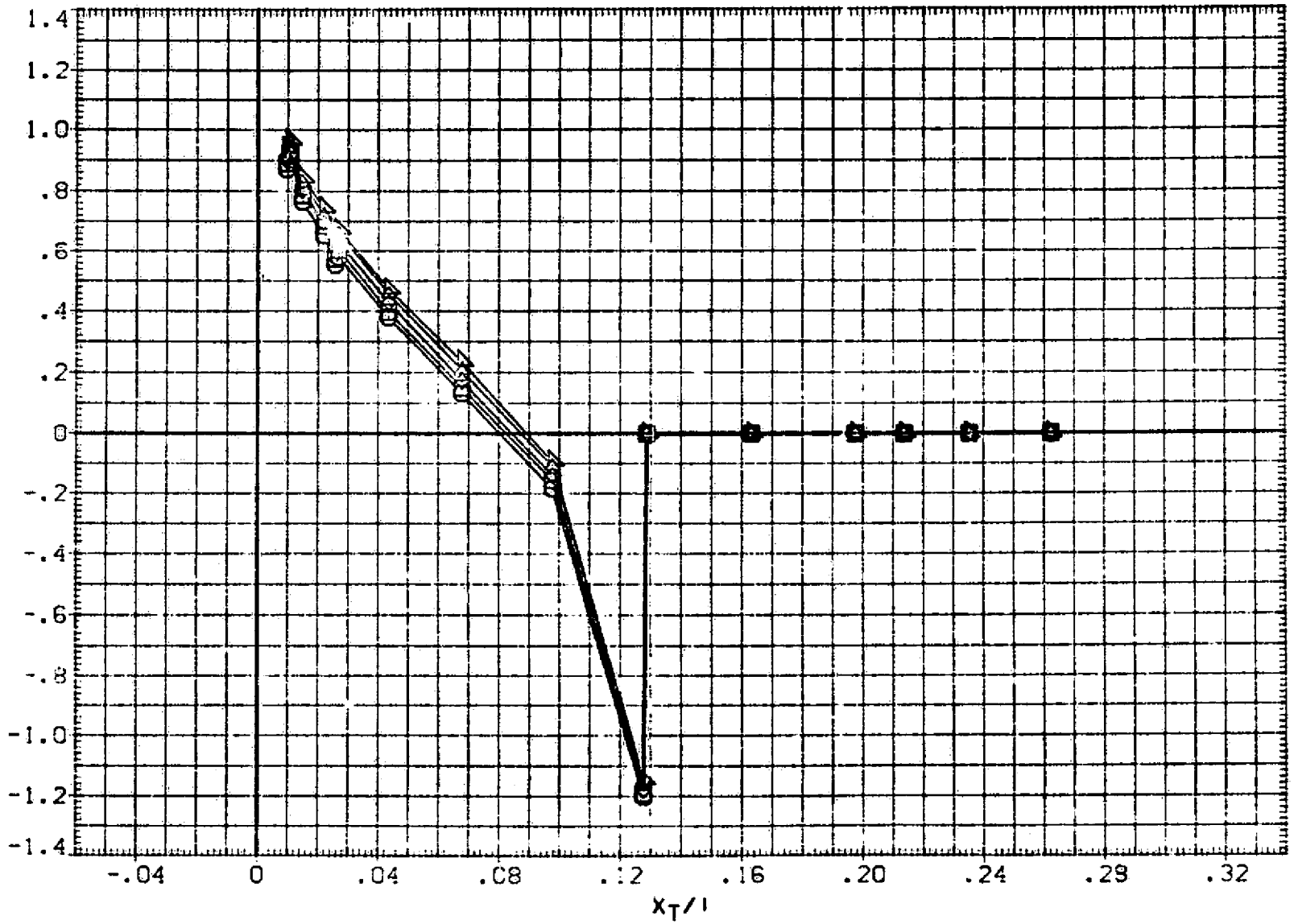


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES	
	-2.030	30.000	.704	PHI	.000
	-1.000				
	.060				
	1.130				
	2.150				

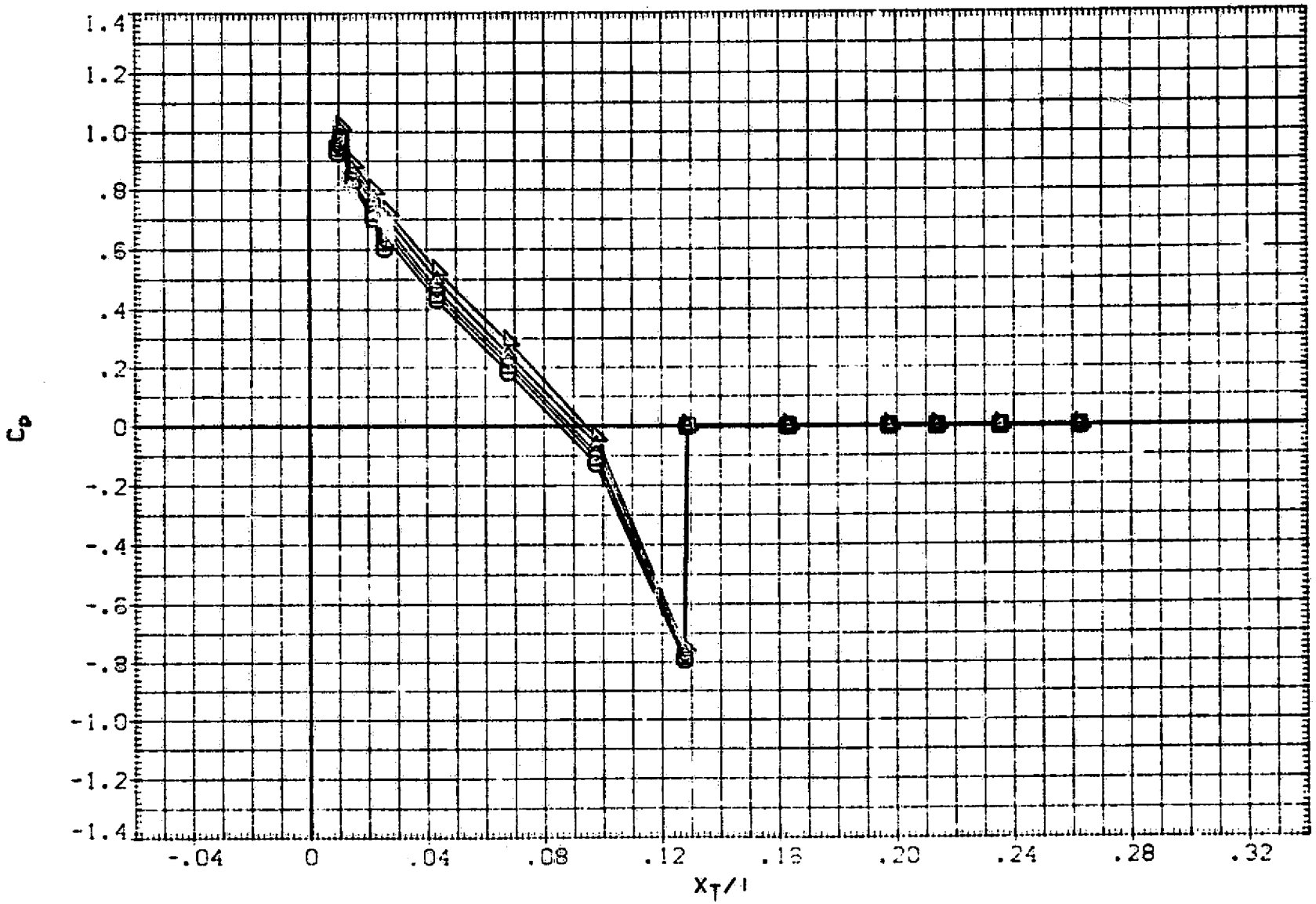


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
□	-2.120	30.000	.798
◇	-1.100		
✕	-.060		
△	.980		
⋈	2.020		

PARAMETRIC VALUES
PHI .000

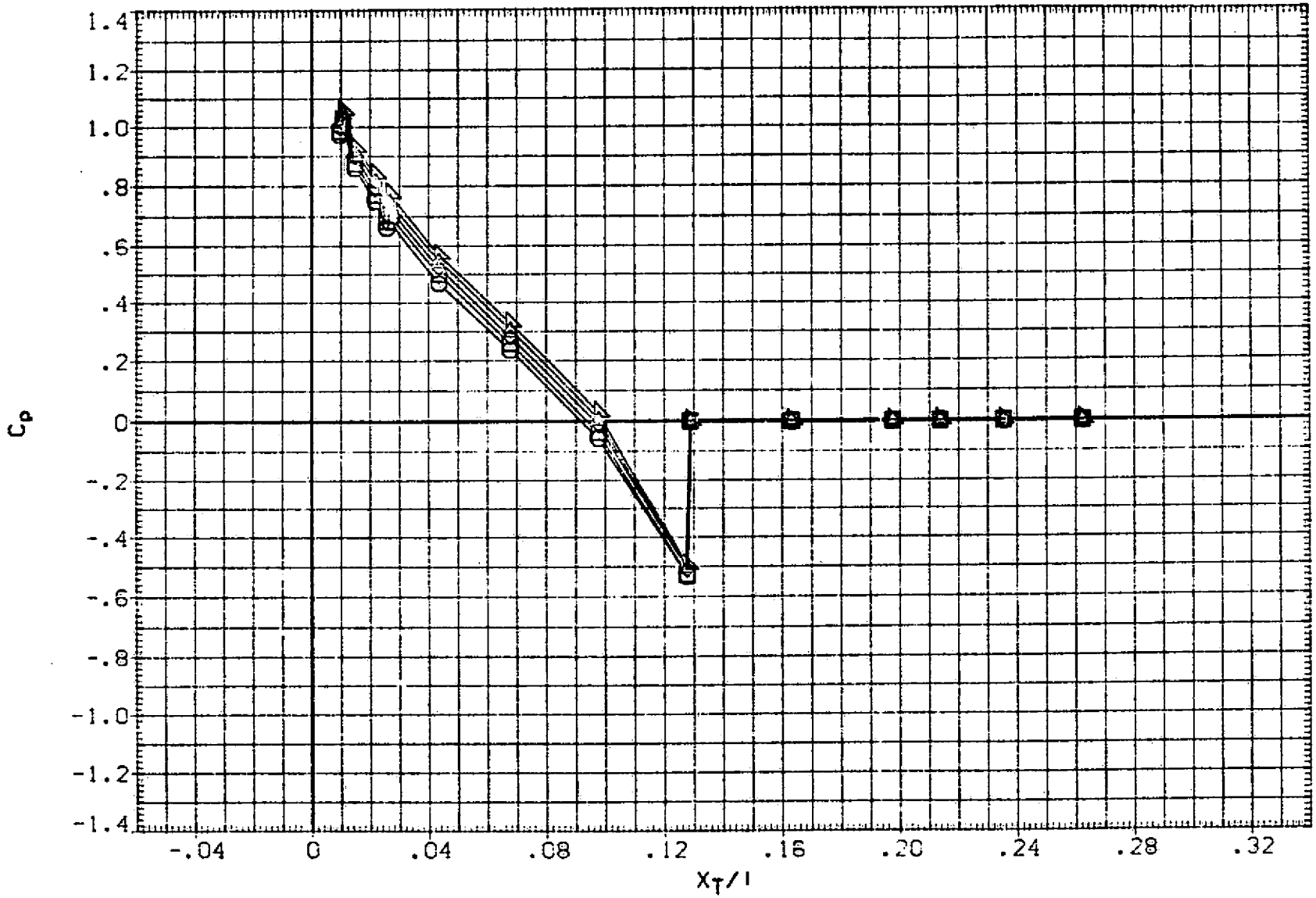


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
□	-1.000	30.000	.900	PHI .000
○	.060			
◇	1.100			
⊠	2.170			
△	3.130			

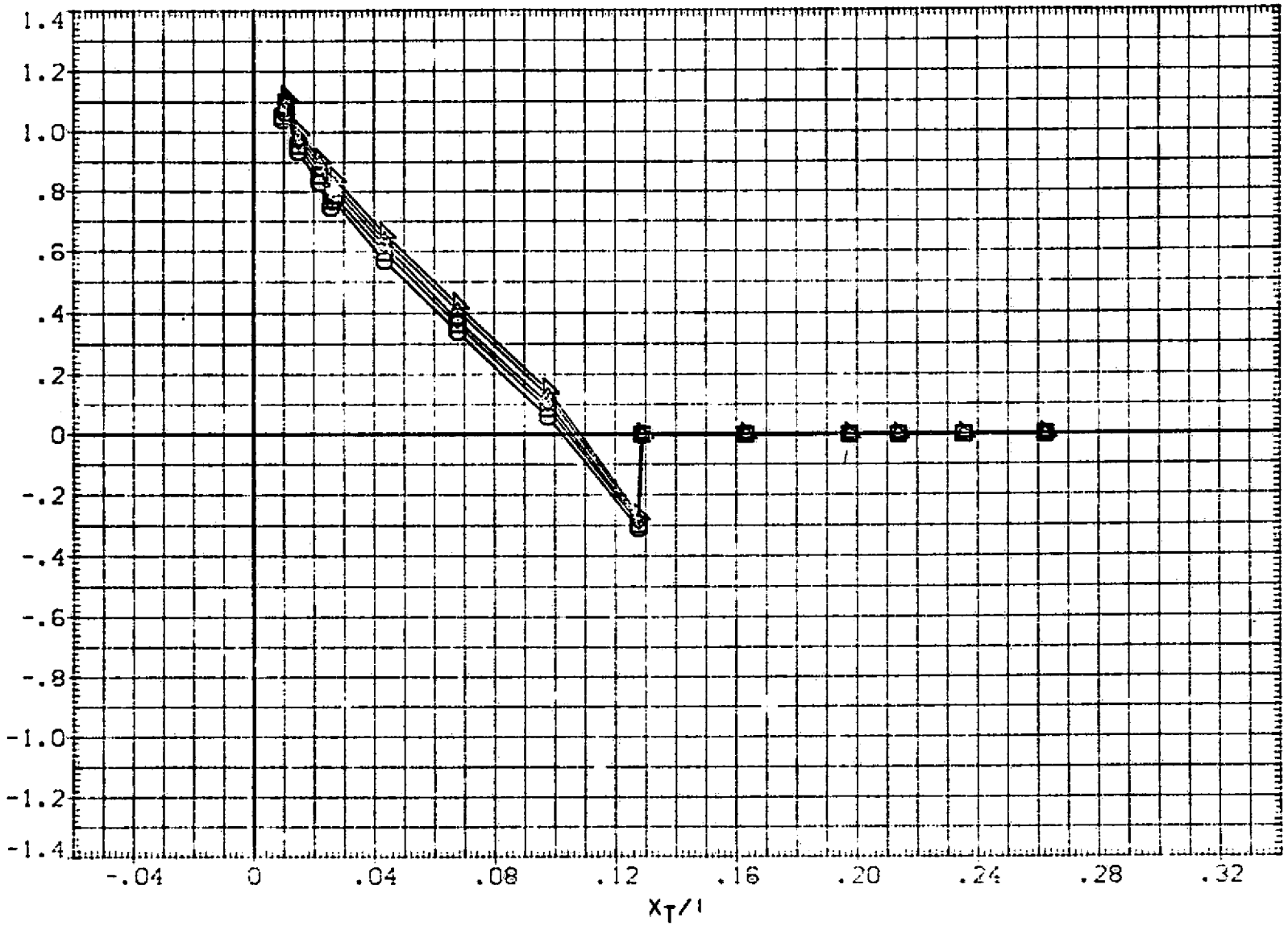


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
	-1.950	30.000	.947	PHI	.000
	-.990				
	.080				
	1.110				
	2.120				

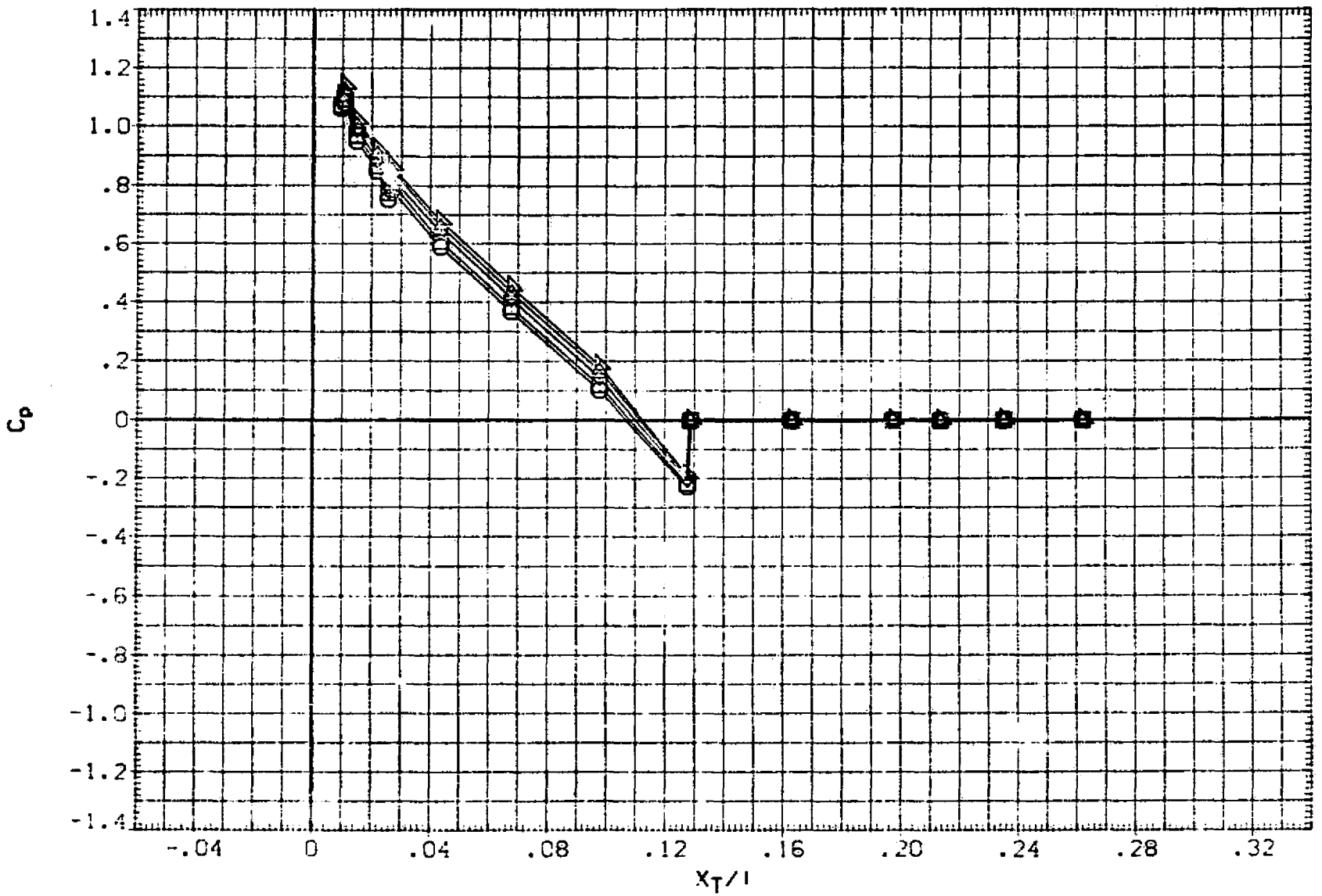


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY002) ARC14-143-1([A137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
□	-1.890	30.000	1.051
◇	-.990		
△	.140		
▽	1.150		
◁	2.160		

PARAMETRIC VALUES

PHI .000

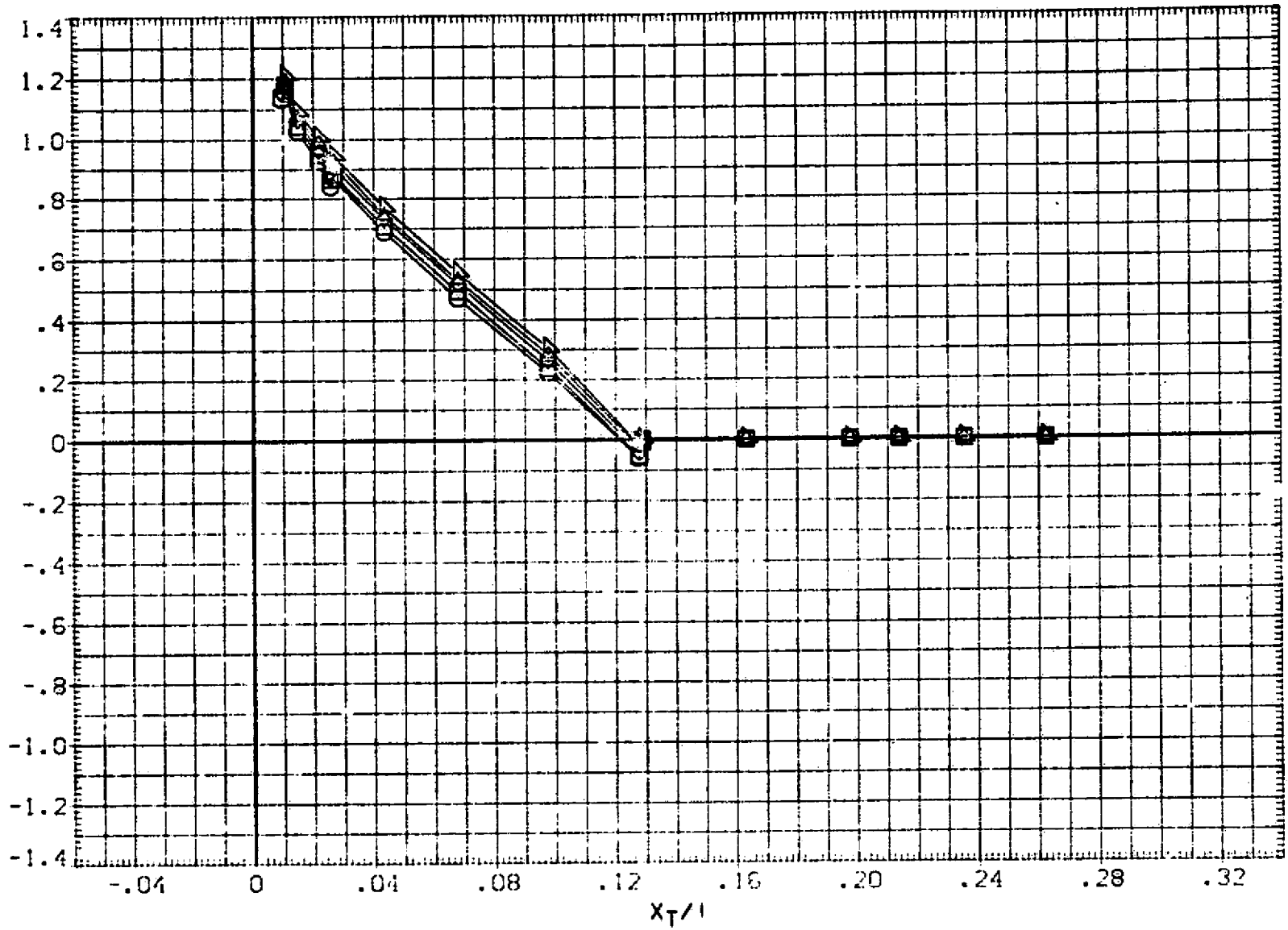


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY002) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
	-1.910	30.000	1.101	PHI	.000
	-.930				
	.090				
	1.120				
	2.230				

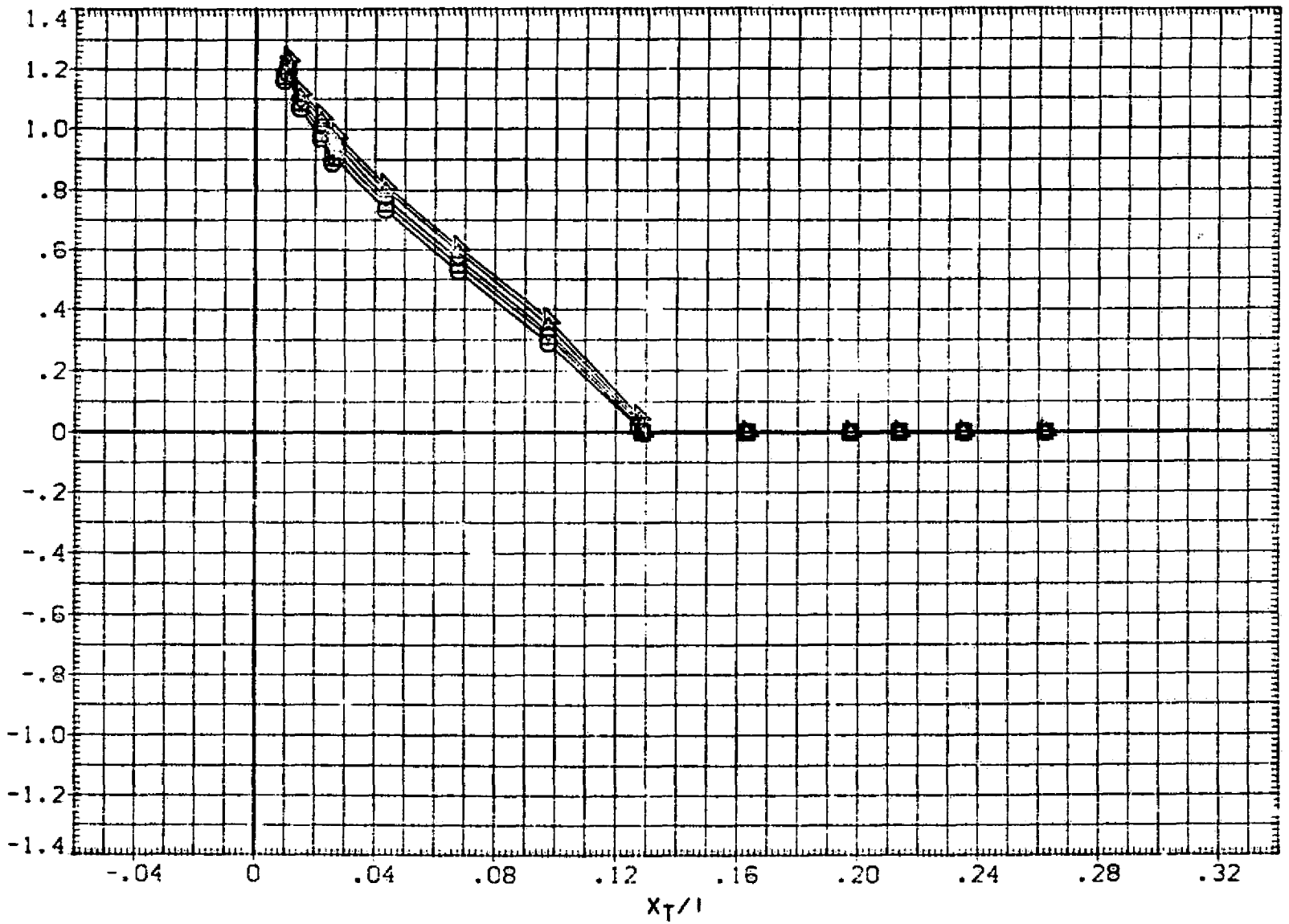


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH
▽	1.090	30.000	.550
△	2.080		
◇	3.030		
□	4.050		
▽	6.150		
○	8.110		

PARAMETRIC VALUES

PHI .000

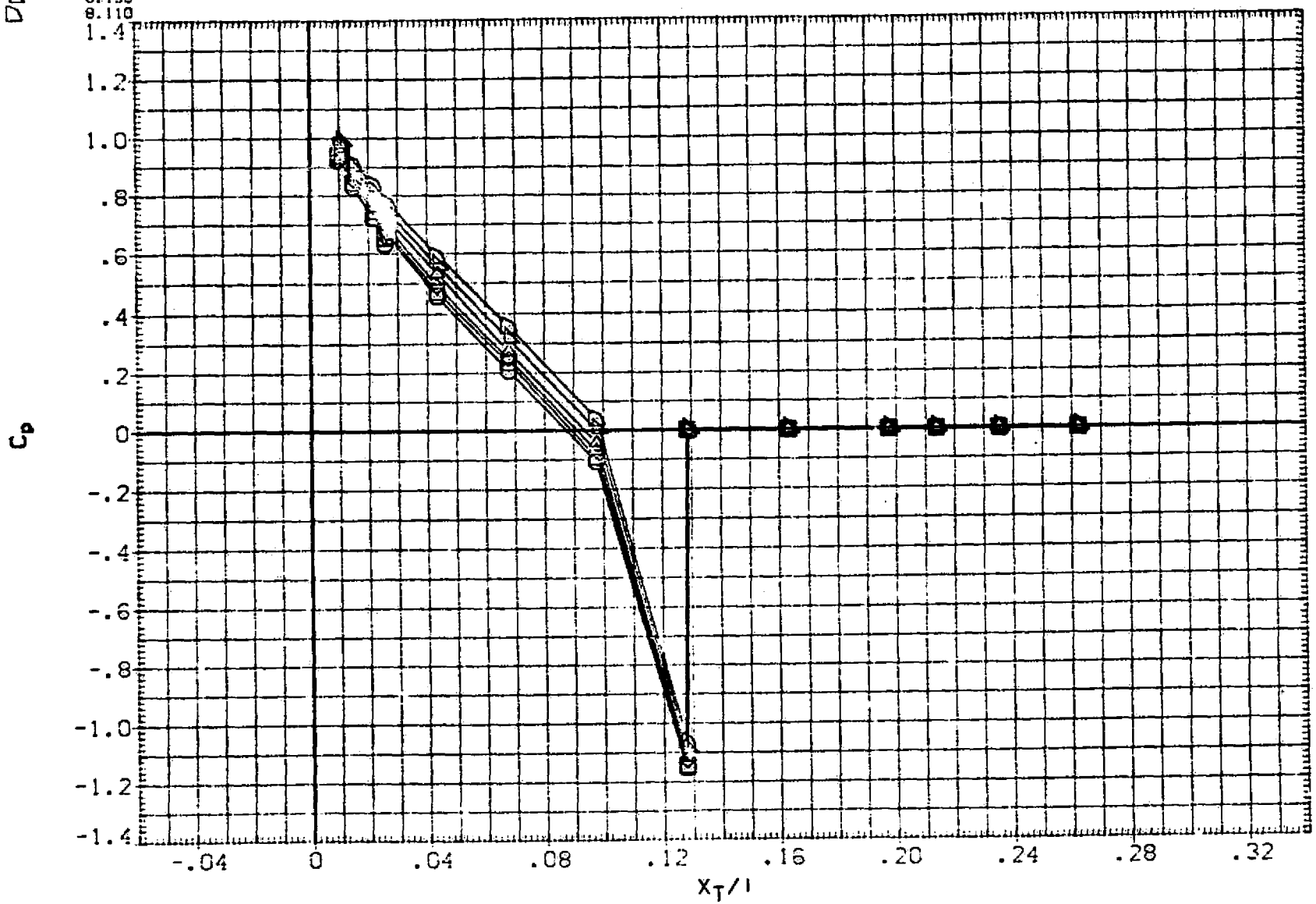


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

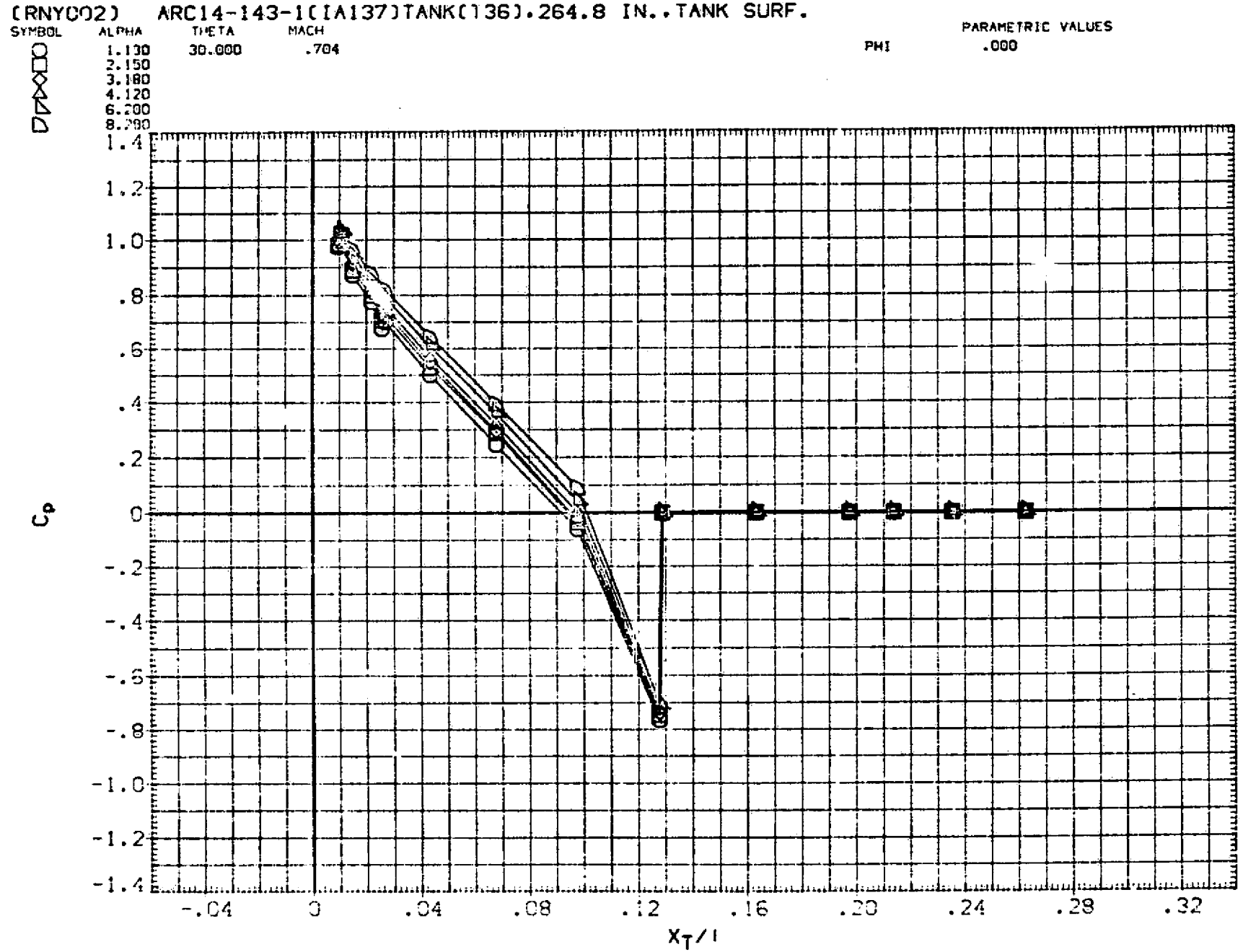


FIG. 7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-[illegible]-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
◇	.980	30.000	.798
□	2.020		
◇	3.060		
△	4.050		
▷	6.110		
○	8.180		

PARAMETRIC VALUES

PHI .000

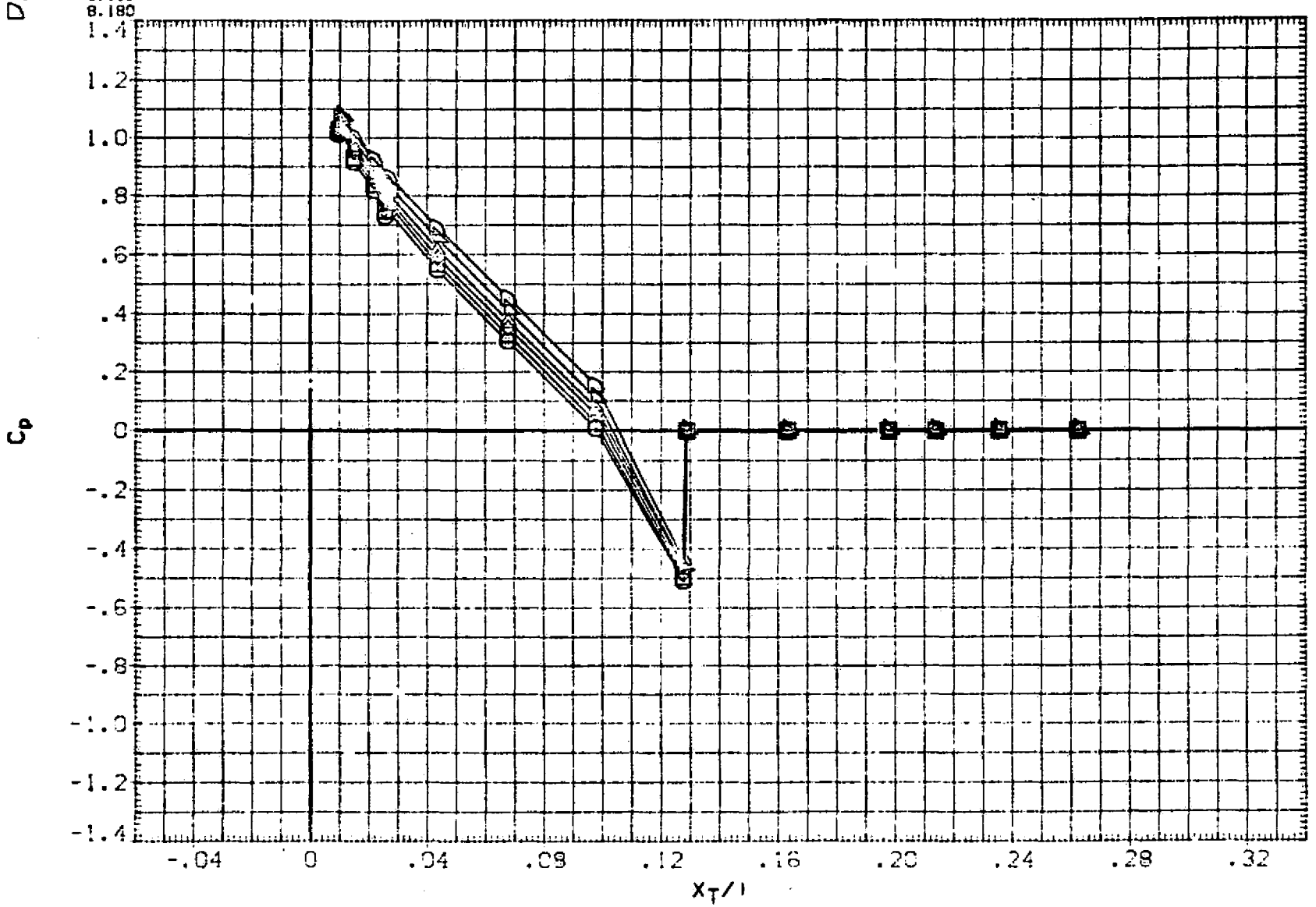


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY002) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH
○	2.170	30.000	.900
□	3.130		
◇	4.150		
△	6.210		
◁	8.220		

PARAMETRIC VALUES

PHI .000

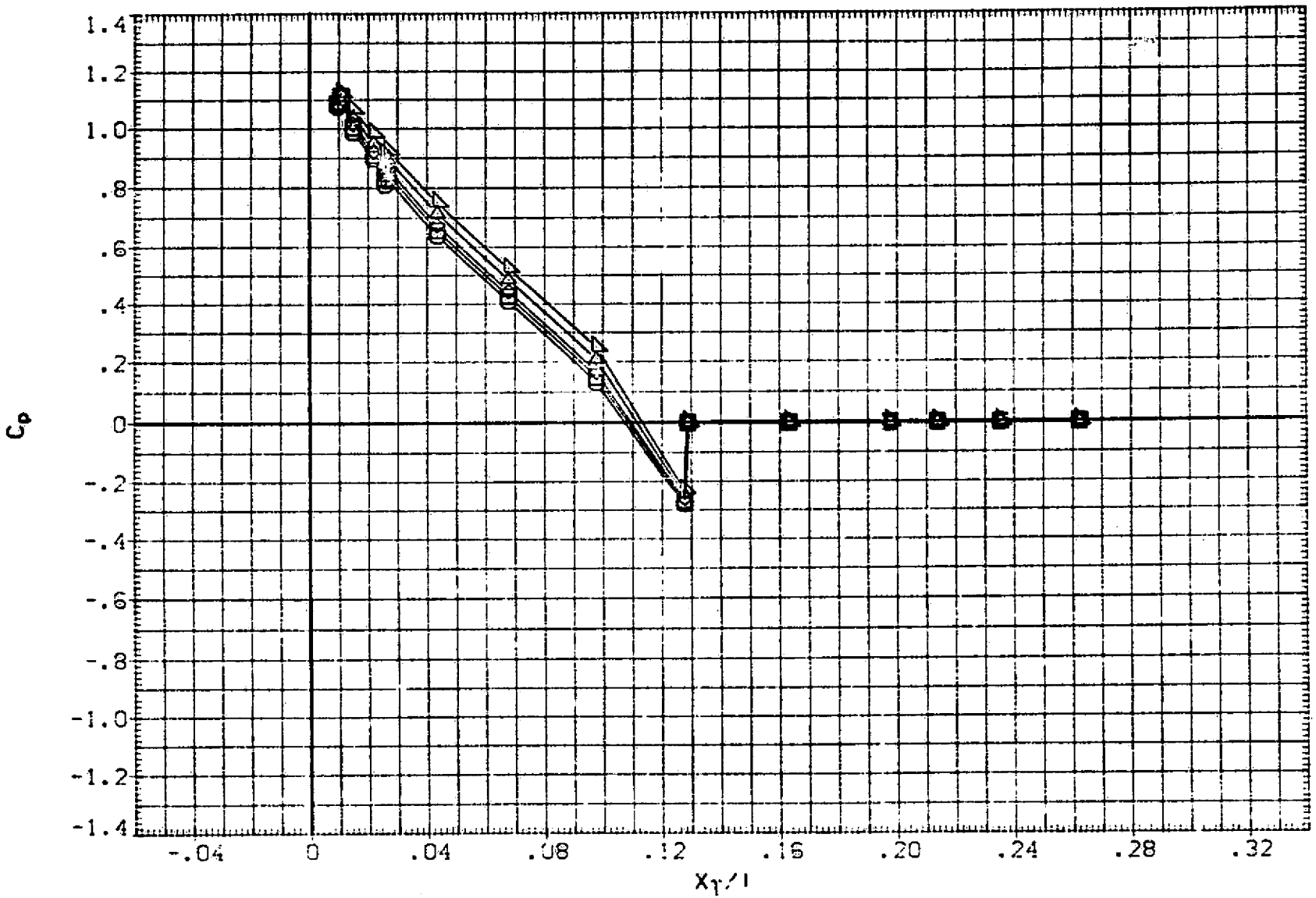


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY002) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	1.110	30.000	.947	PHI .000
	2.120			
	3.140			
	4.170			
	6.280			
	8.320			

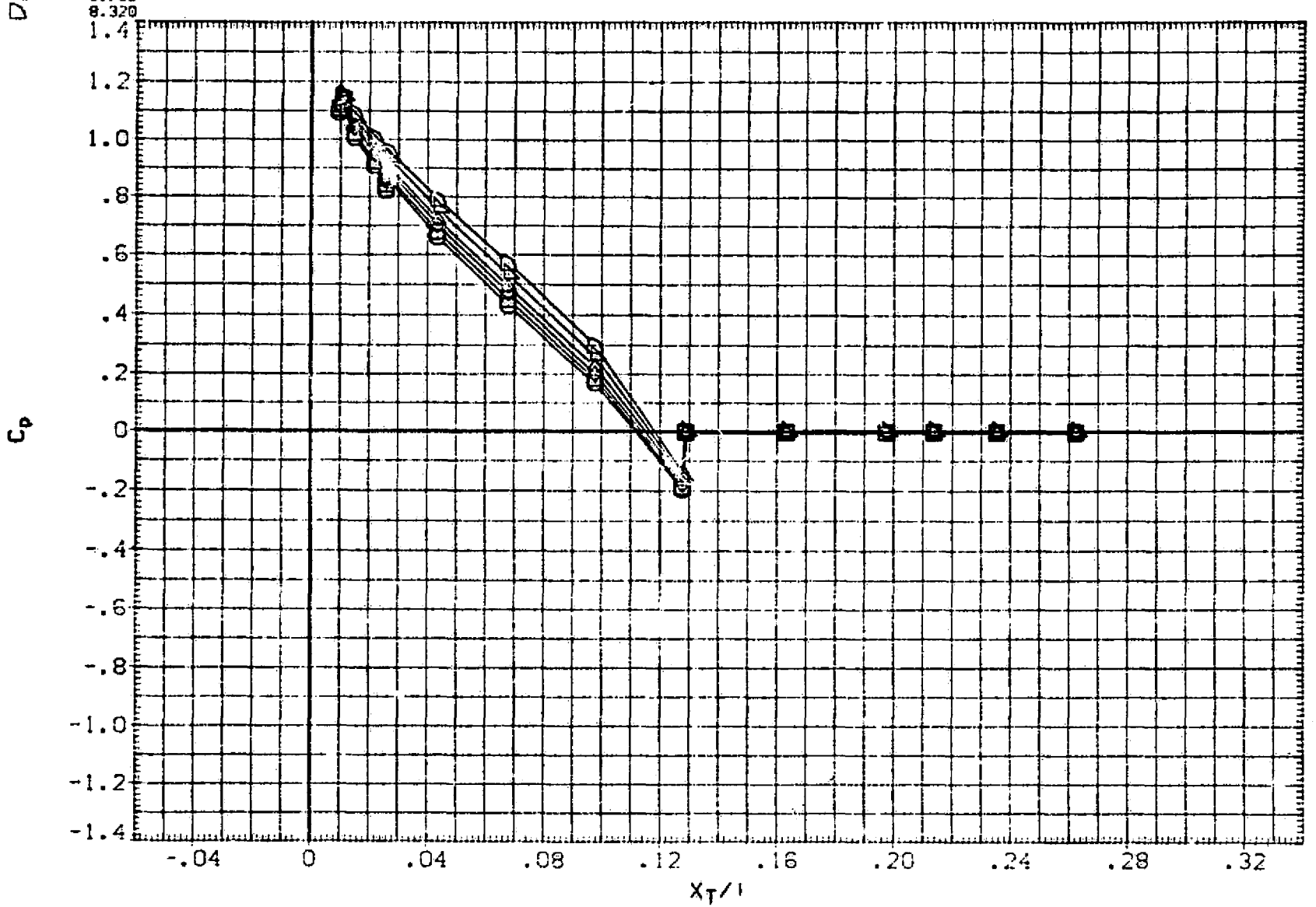


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

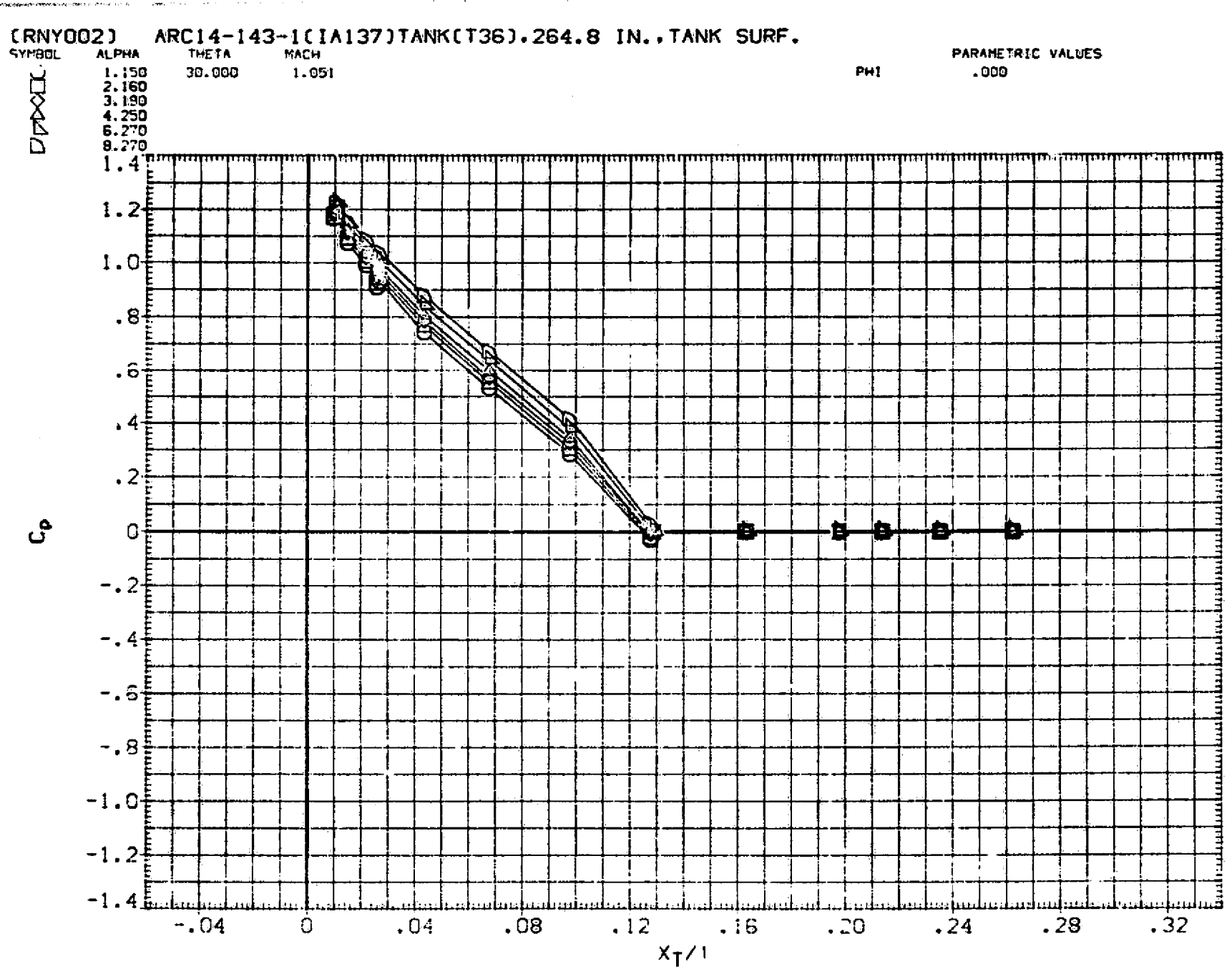


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY002) ARC14-143-1([A137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
□	1.120	30.000	1.101	PHI	.000
◇	2.230				
△	3.260				
▽	4.220				
◁	6.210				
▷	8.320				

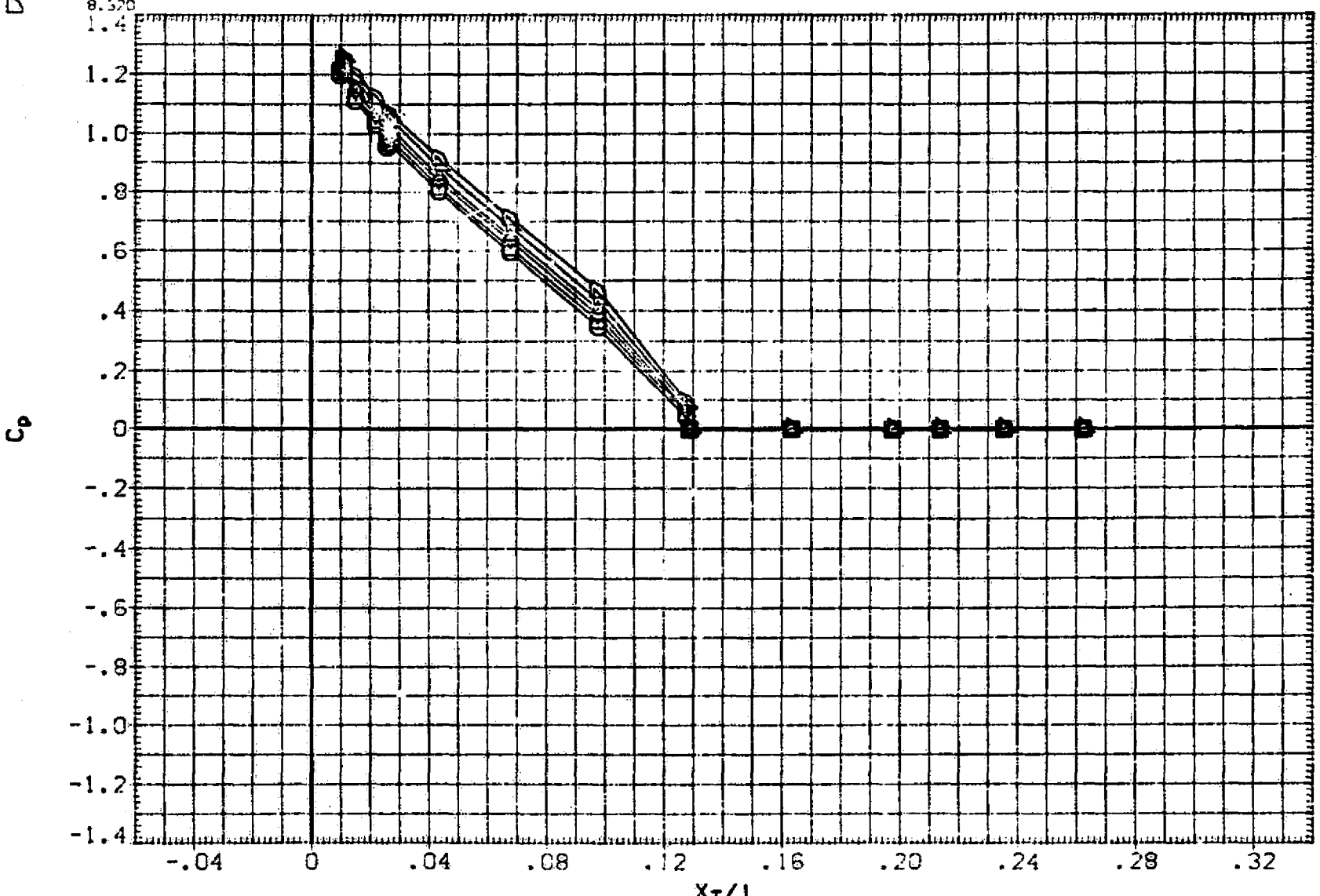


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY003) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-8.160	30.000	.549	PHI .000
	-6.130			
	-4.070			
	-3.070			
	-2.060			
	-1.060			

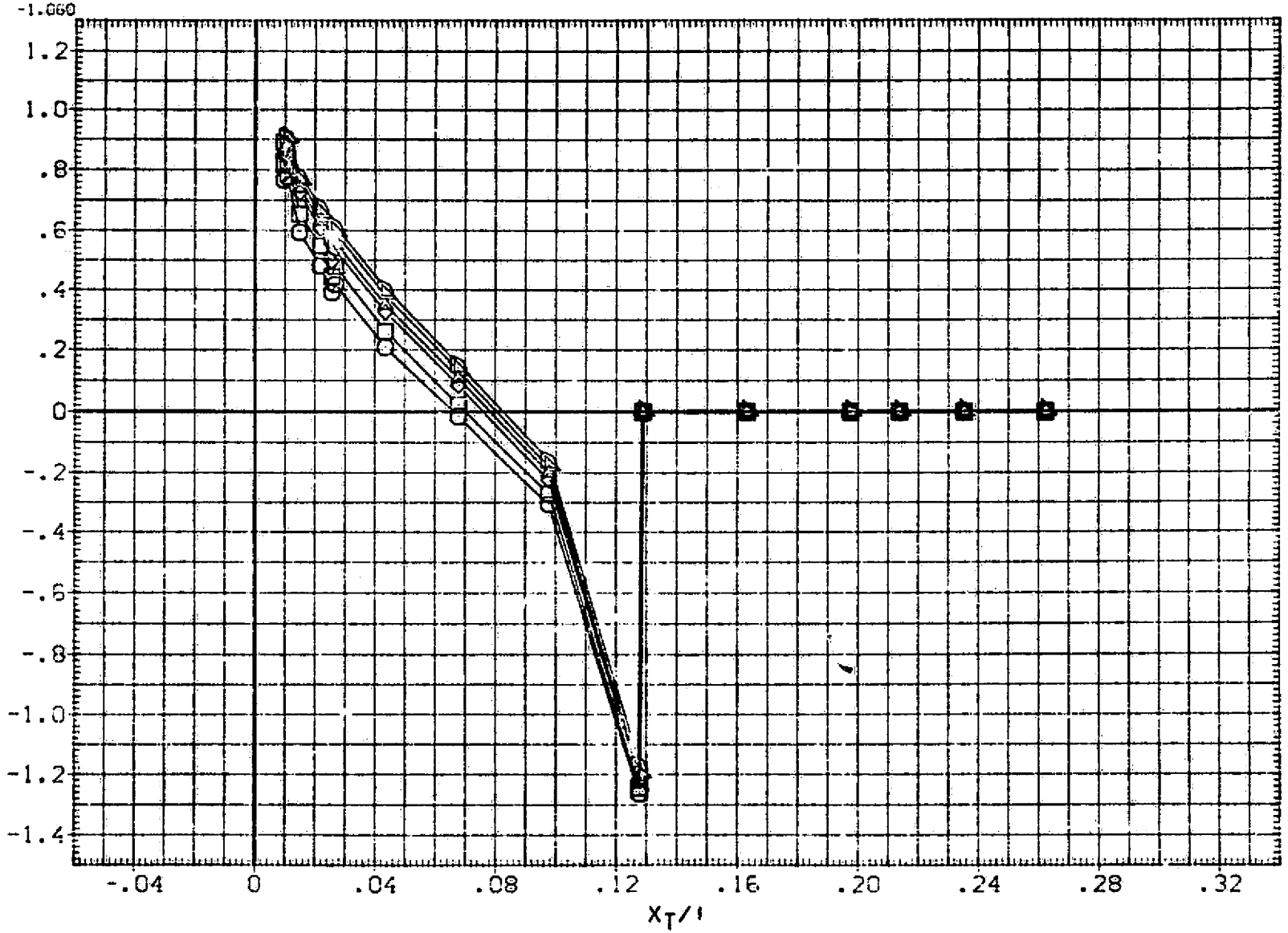


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY003) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
□	-2.060	30.000	.549	PHI .000
◇	-1.060			
△	-.010			
▽	1.010			
◁	2.000			

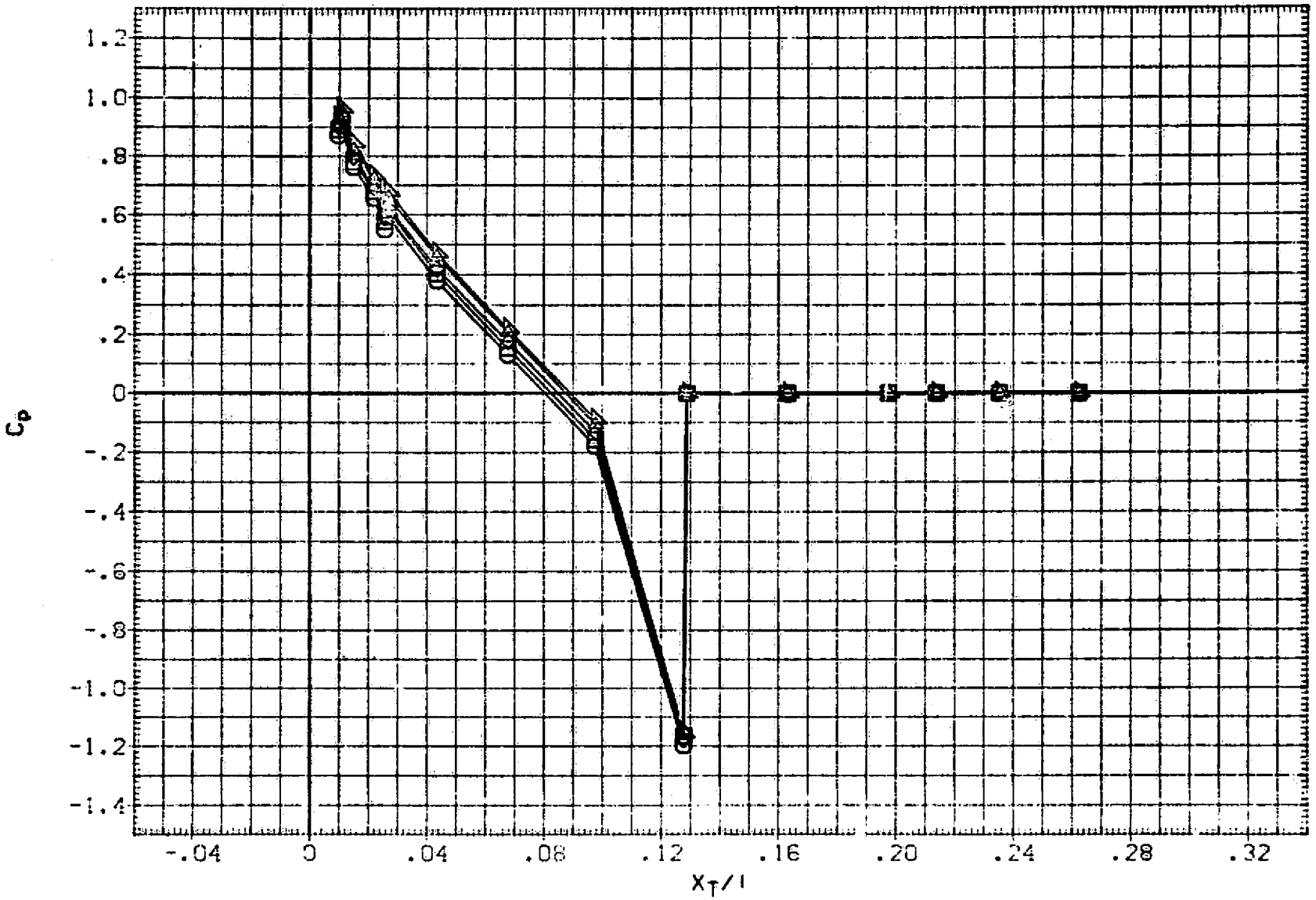


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

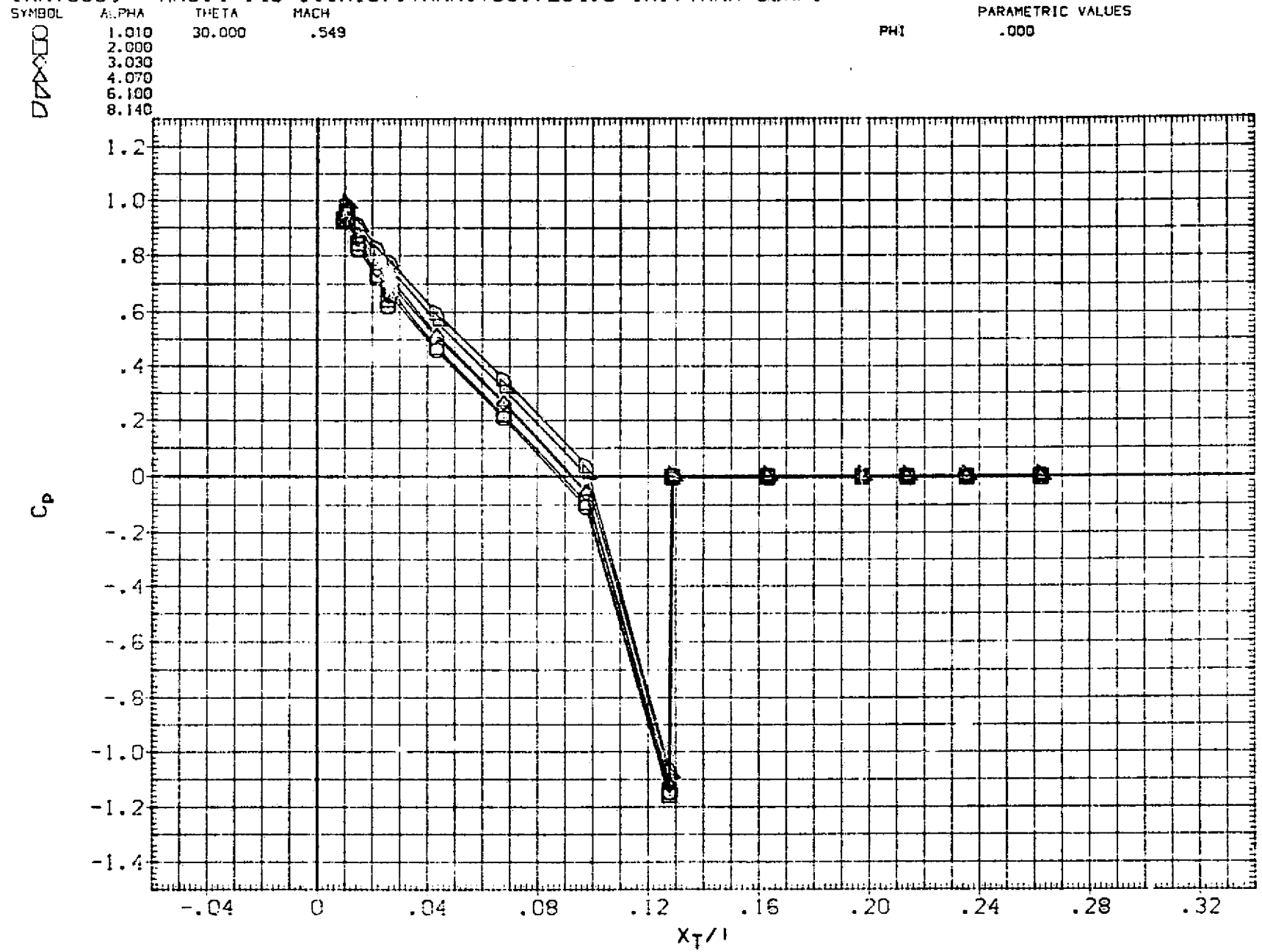


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH
	-8.190	30.000	.550
	-6.140		
	-4.150		
	-3.140		
	-2.070		
	-1.110		

PARAMETRIC VALUES

PHI .000

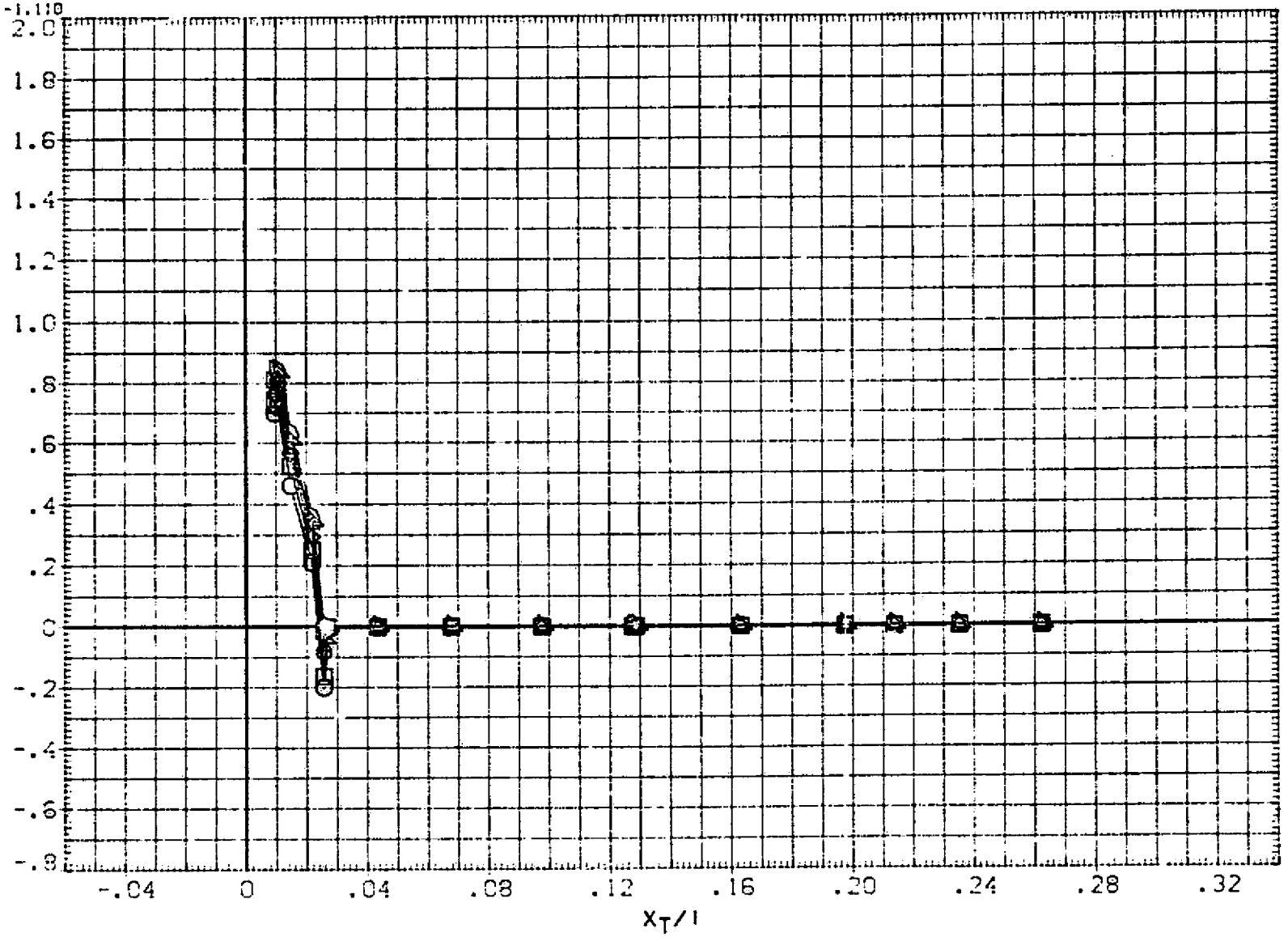


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1([A137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-8.100	30.000	.702	PHI .000
	-6.050			
	-4.050			
	-3.020			
	-2.030			
	-.970			

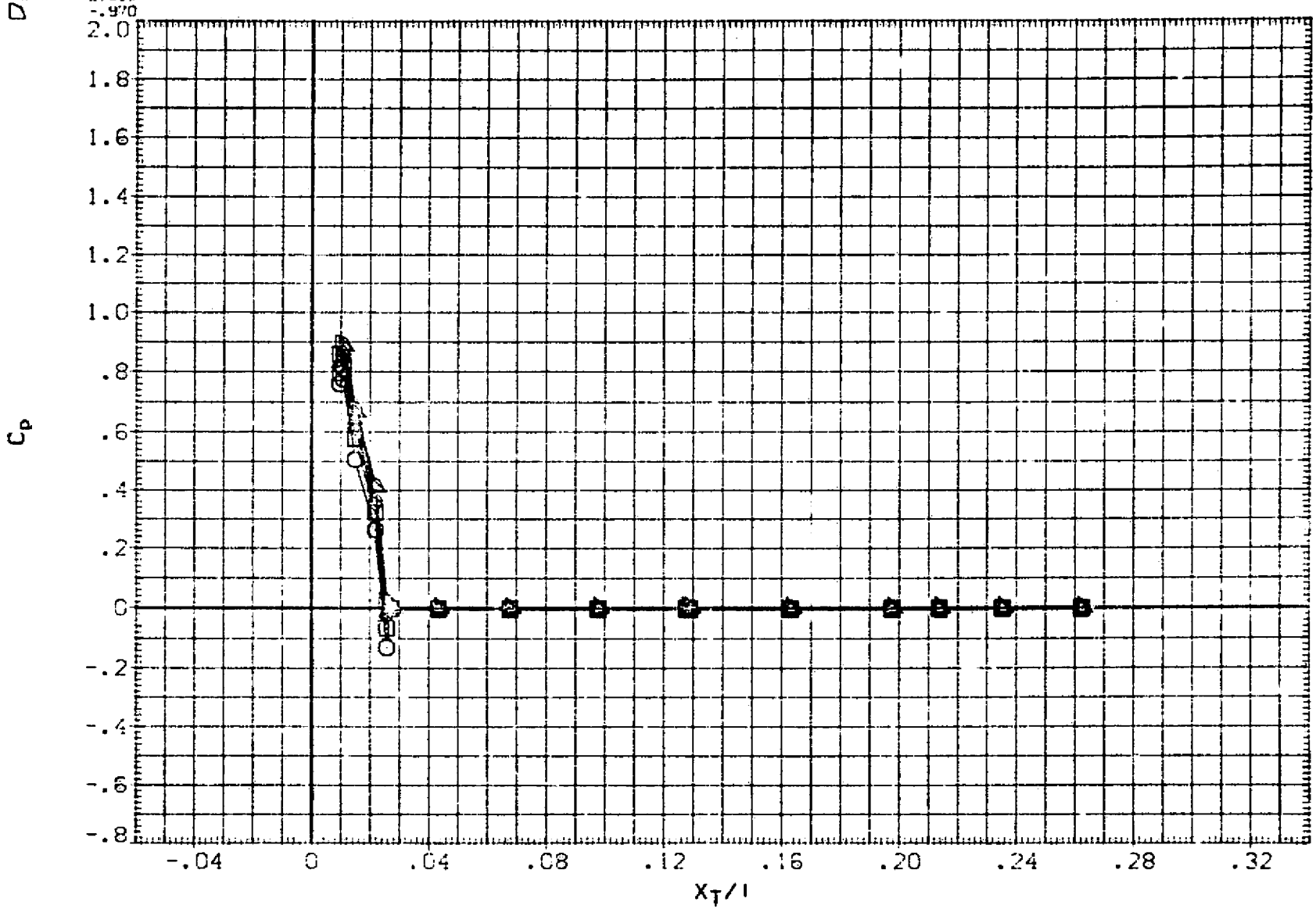


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH
□	-8.180	30.000	.802
◇	-6.230		
△	-4.160		
○	-2.110		
▽	-1.070		
⊲	-.030		

PARAMETRIC VALUES

PHI .000

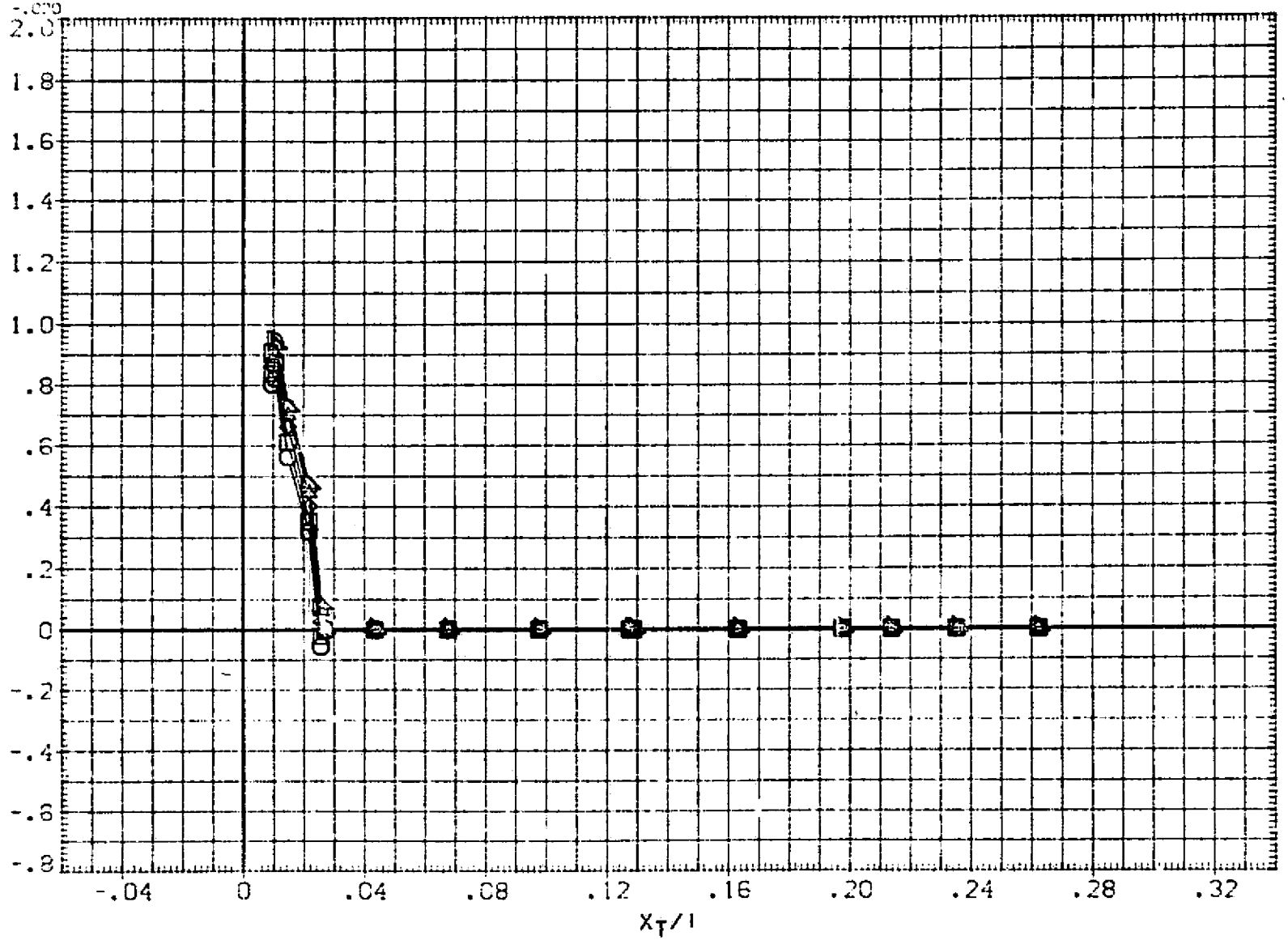


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
	-8.090	30.000	.899	PHI	.000
	-6.090				
	-4.010				
	-3.030				
	-1.950				
	-.960				

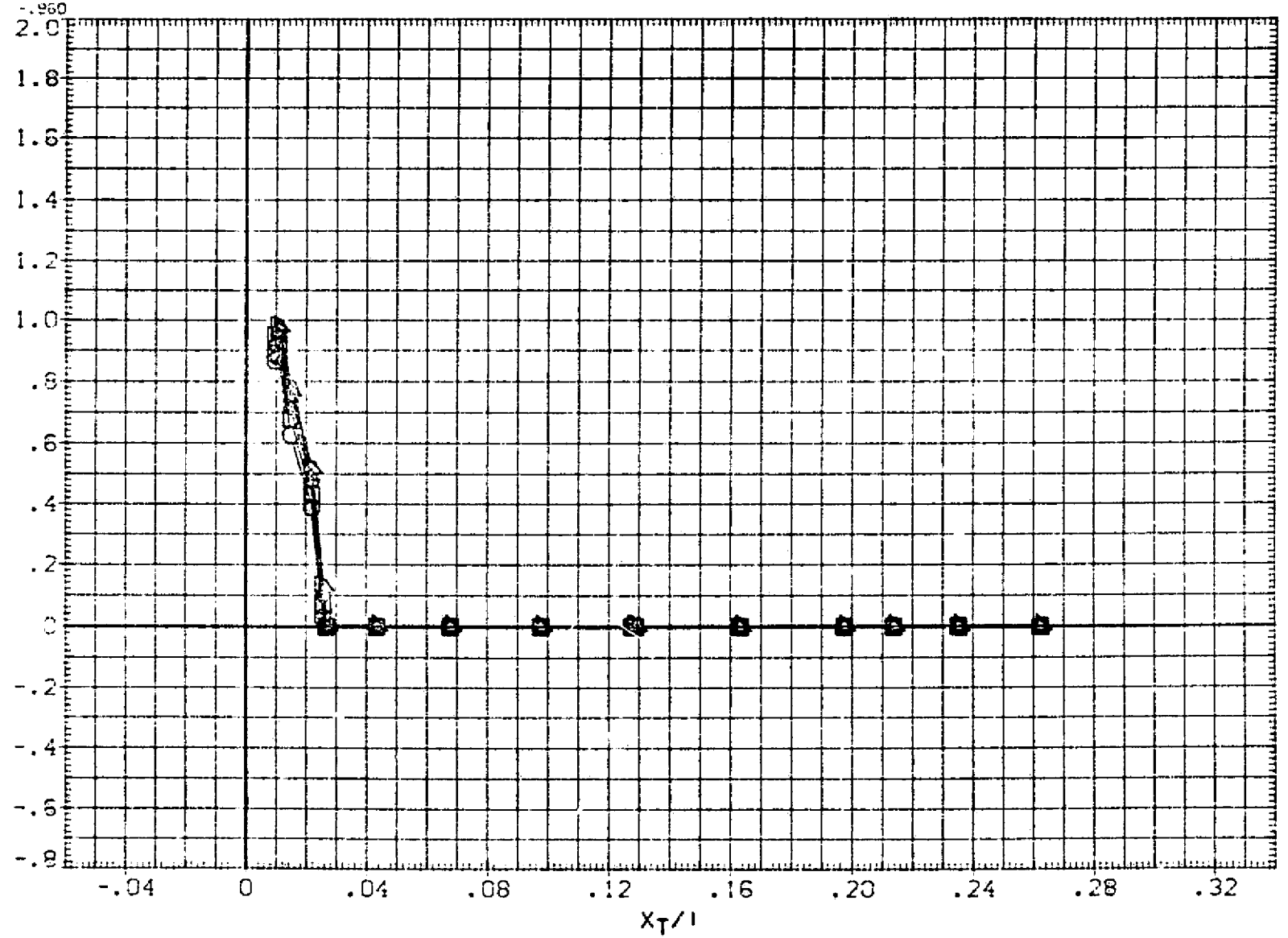


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
□	-8.070	30.000	.950	PHI .000
◇	-6.040			
△	-4.030			
○	-3.060			
▽	-1.970			
⊲	-1.000			

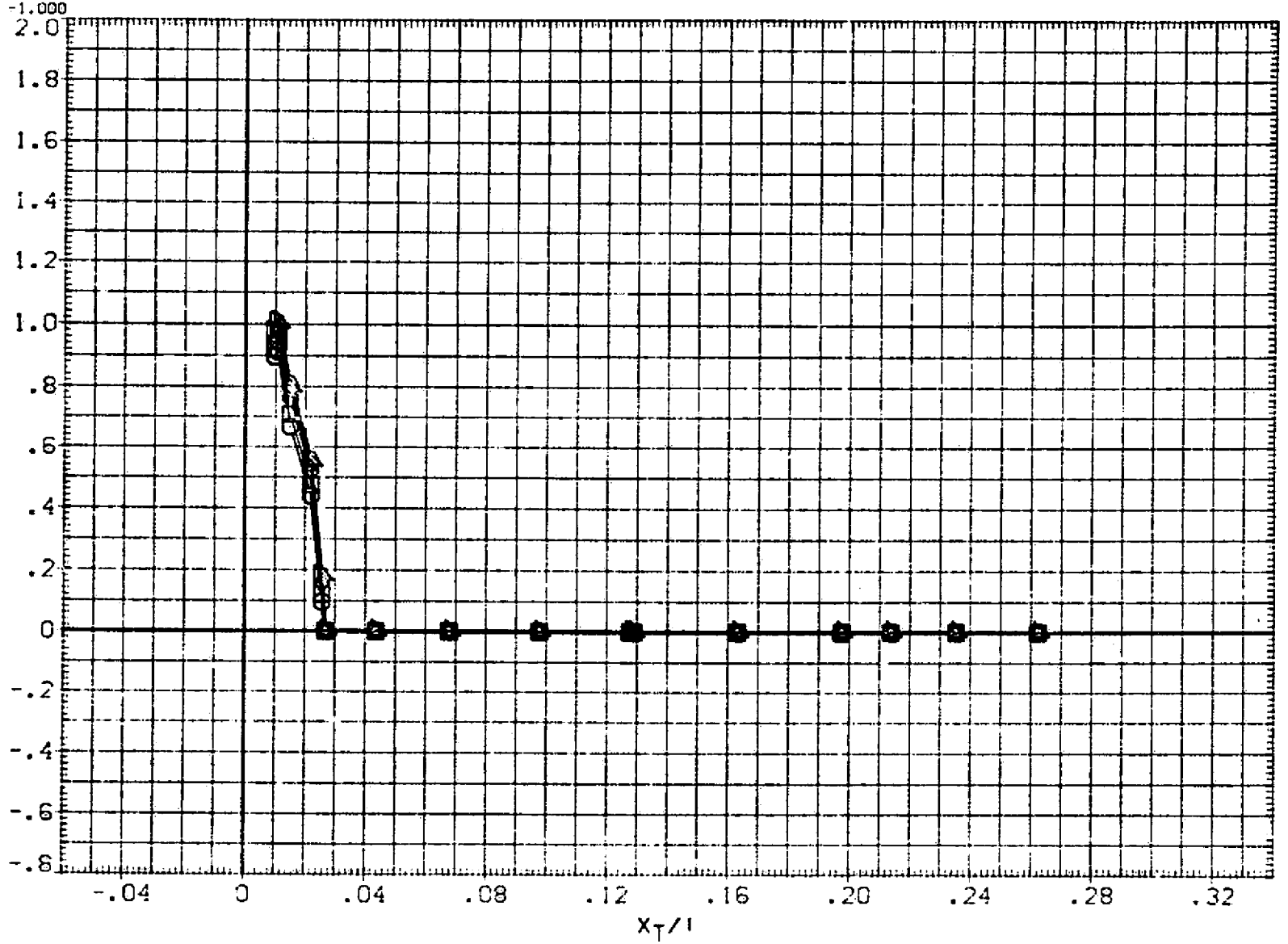


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

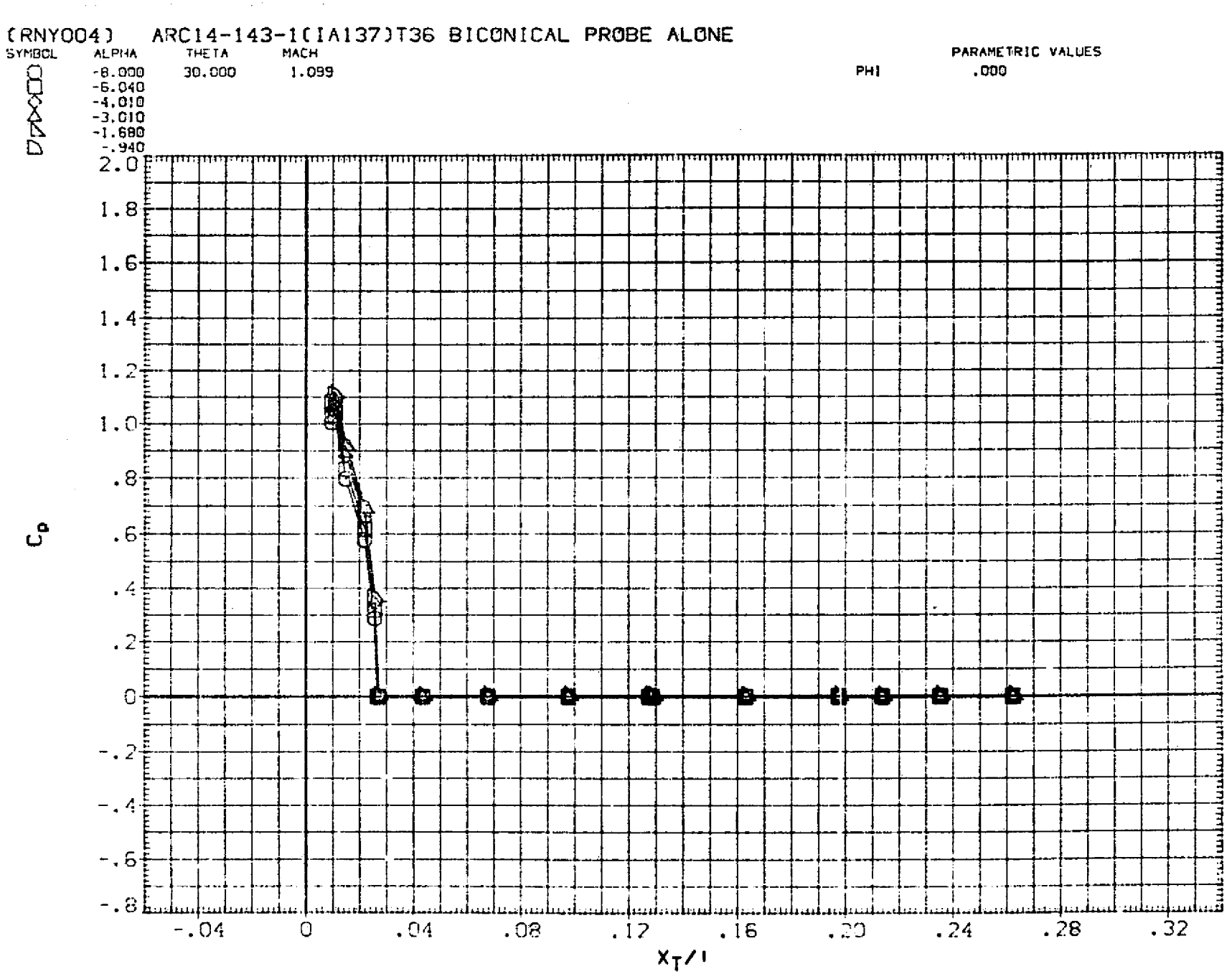


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1([A137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
□	-8.010	30.000	1.152	PHI	.000
◇	-6.060				
Δ	-4.010				
	-2.990				
	-1.960				
	-.930				

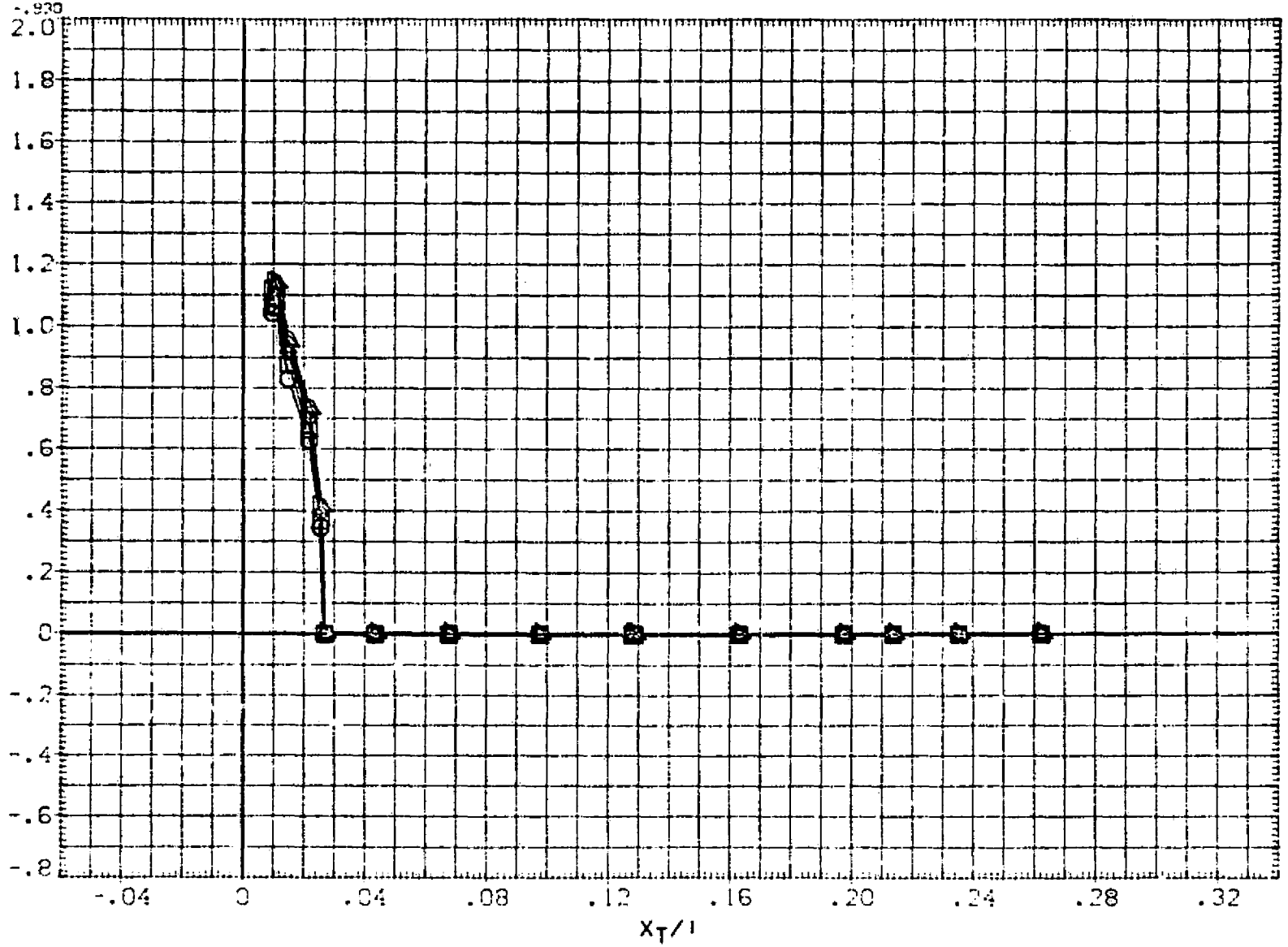


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH
□	-2.070	30.000	.550
▽	-1.110		
◇	.020		
⊠	1.030		
▷	2.050		

PARAMETRIC VALUES

PHI .000

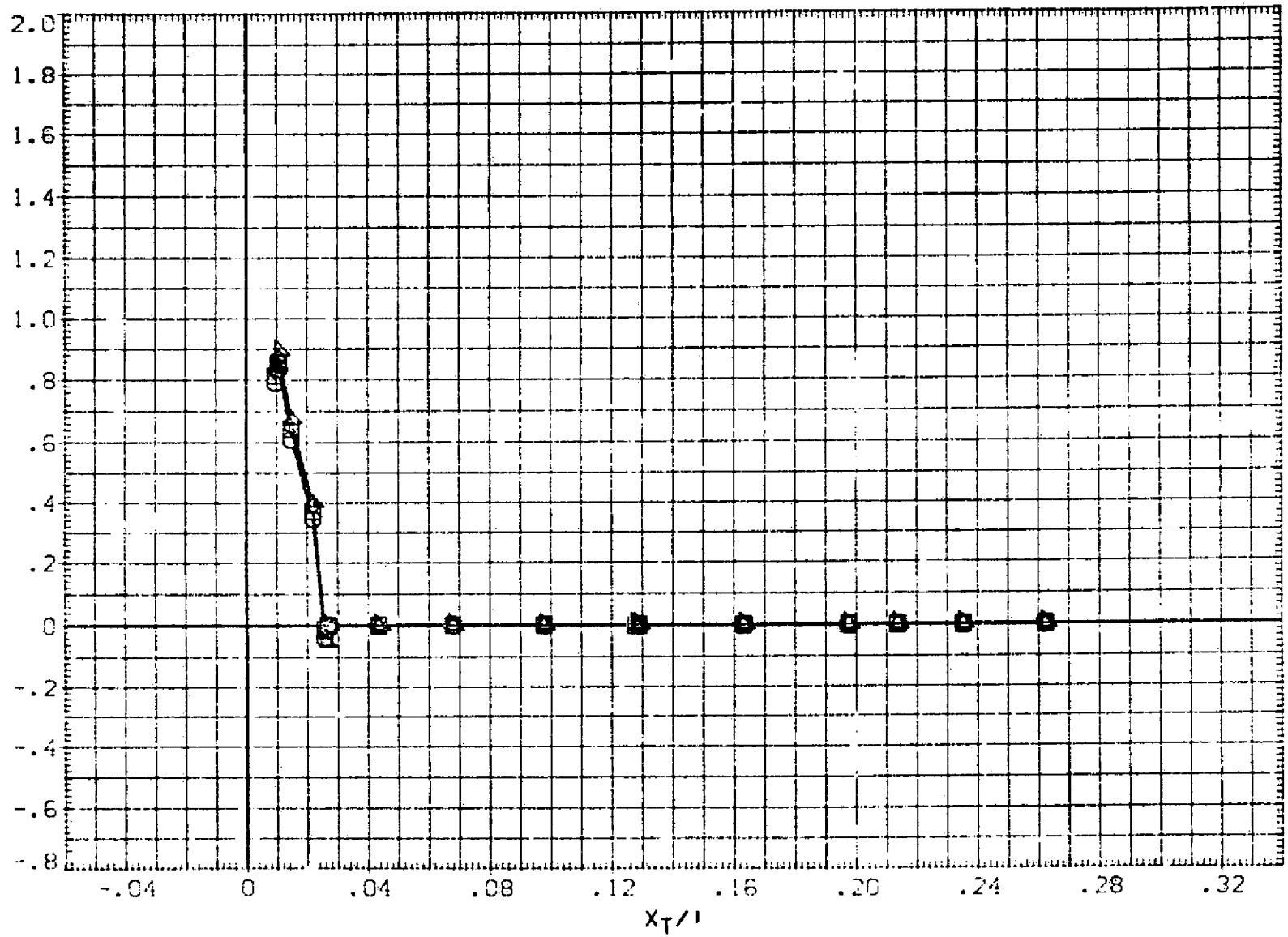


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
○	-2.030	30.000	.702	PHI .000
□	-.970			
◇	.050			
△	1.080			
	2.180			

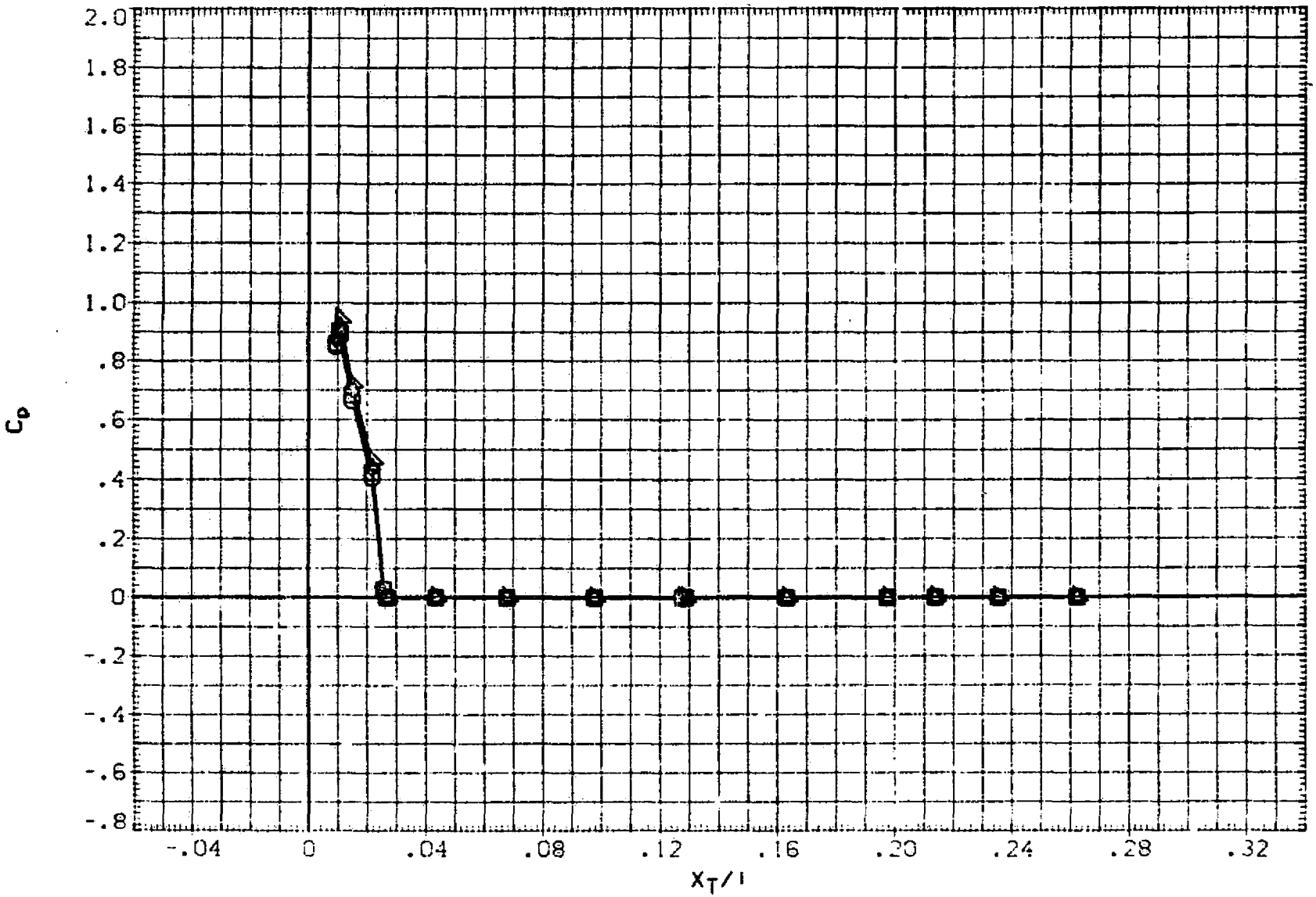


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY004) ARC14-143-1([A137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH
□	-1.070	30.000	.802
◇	-.020		
△	.990		
	2.050		
	2.990		

PARAMETRIC VALUES

PHI .000

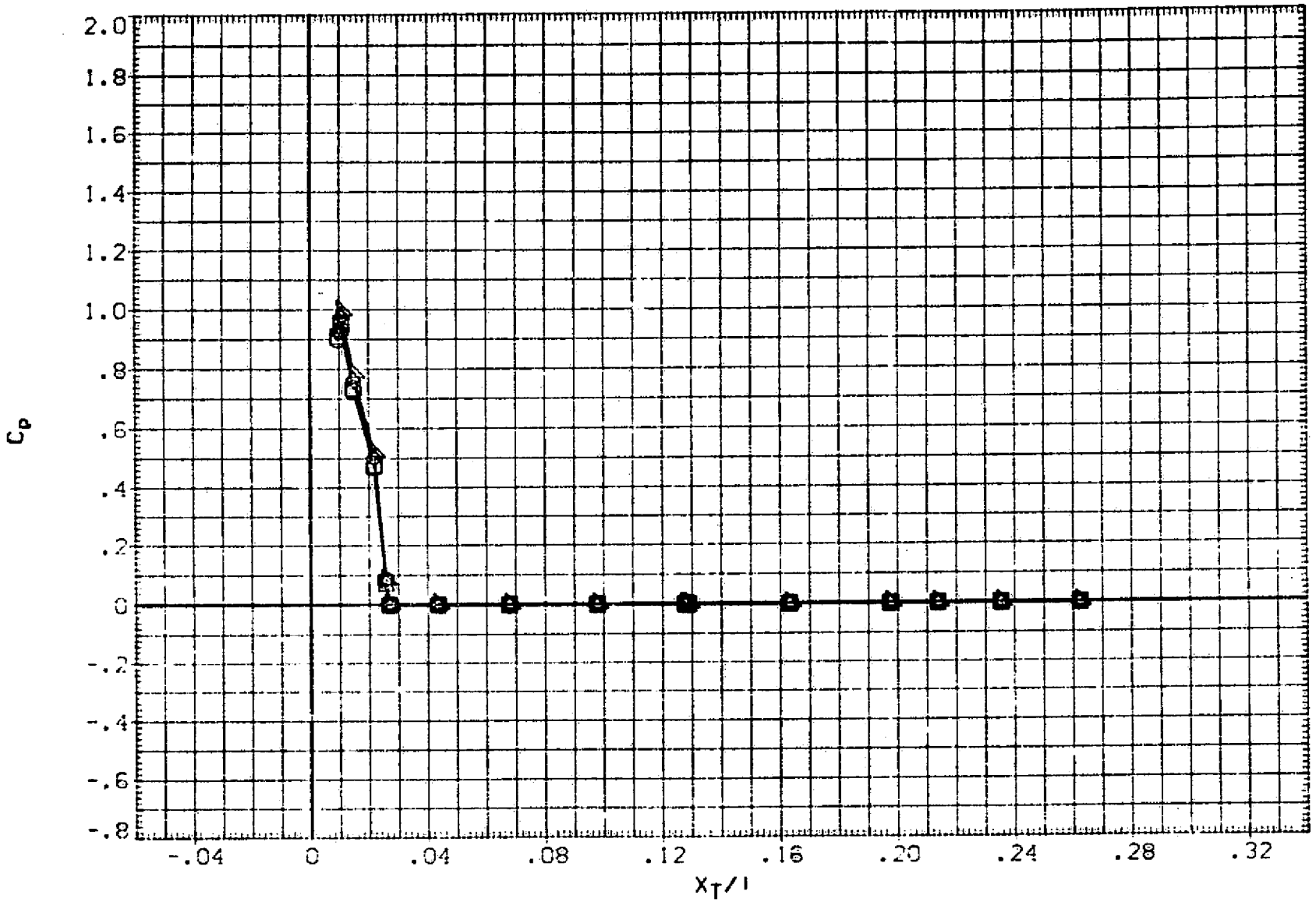


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1([IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-1.950	30.000	.899	PHI .000
	-.960			
	.090			
	1.130			
	2.110			

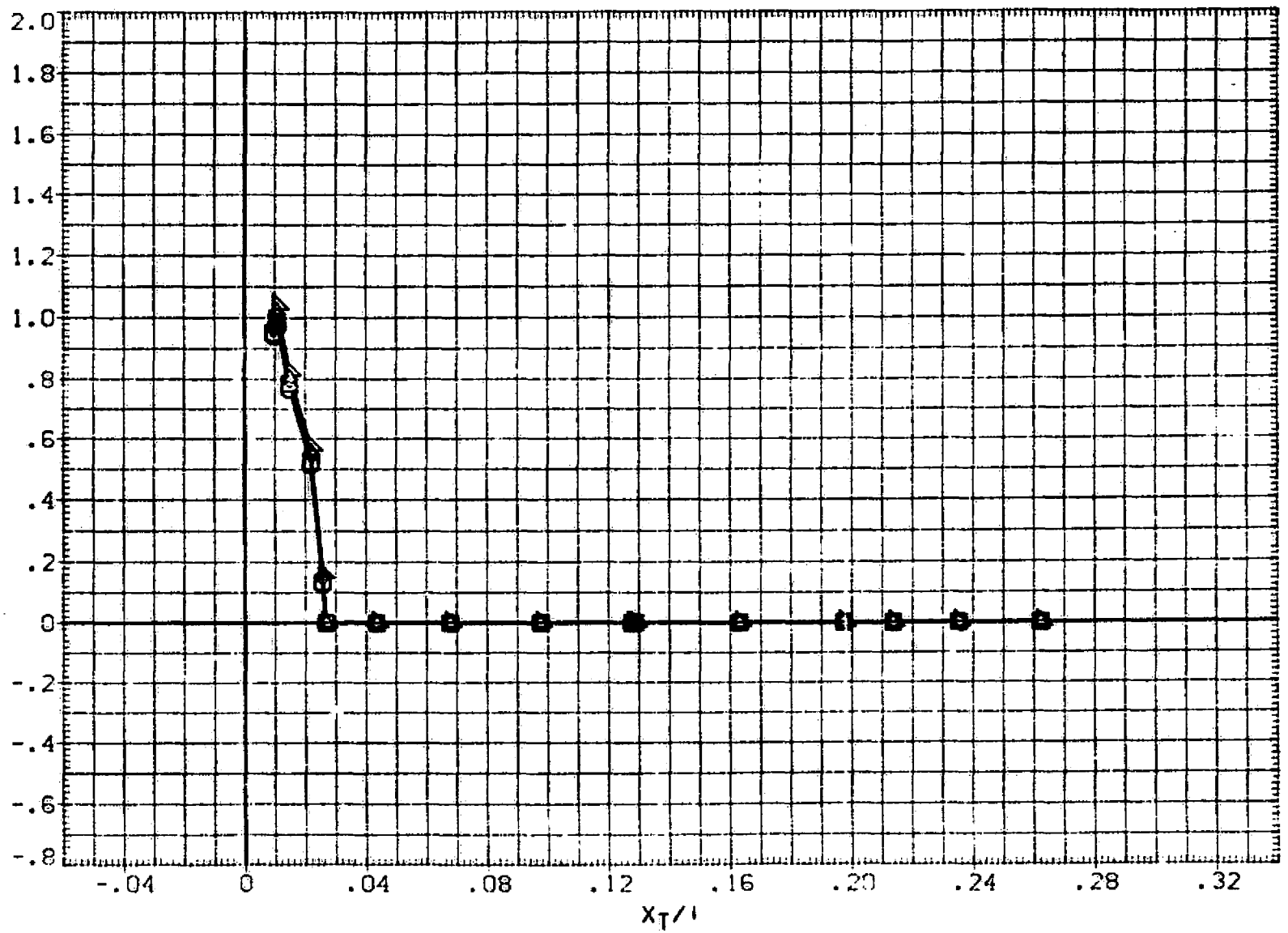


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-1.970	30.000	.950	PHI .000
	-1.000			
	.050			
	1.130			
	2.160			



FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY004) ARC14-143-1([A137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
○	-1.880	30.000	1.099	PHI .000
□	-.940			
◇	.080			
△	1.130			
◁	2.150			

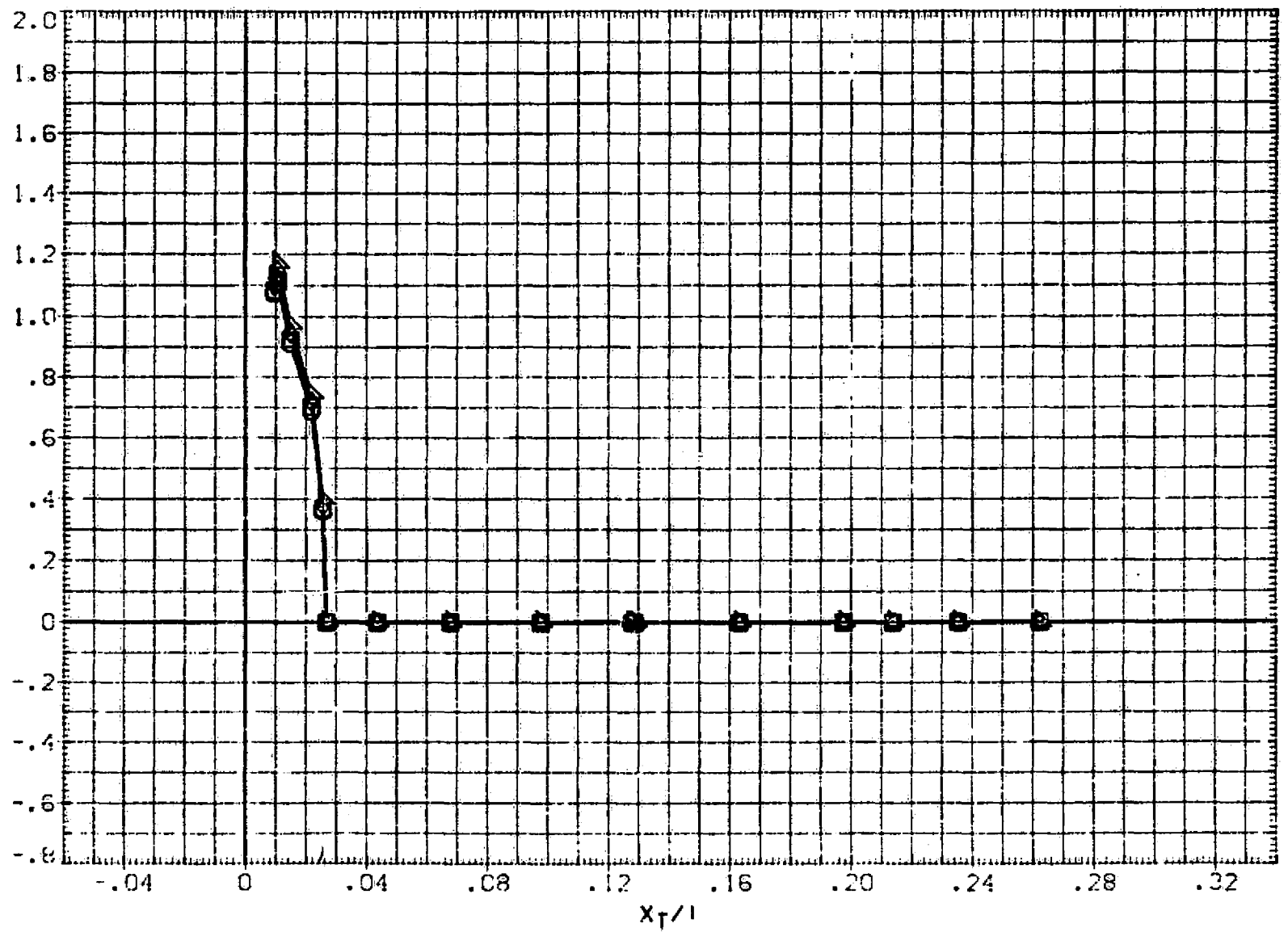


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH
□	-1.960	30.000	1.152
◇	-.930		
△	.110		
▽	1.160		
◁	2.190		

PARAMETRIC VALUES

PHI .000

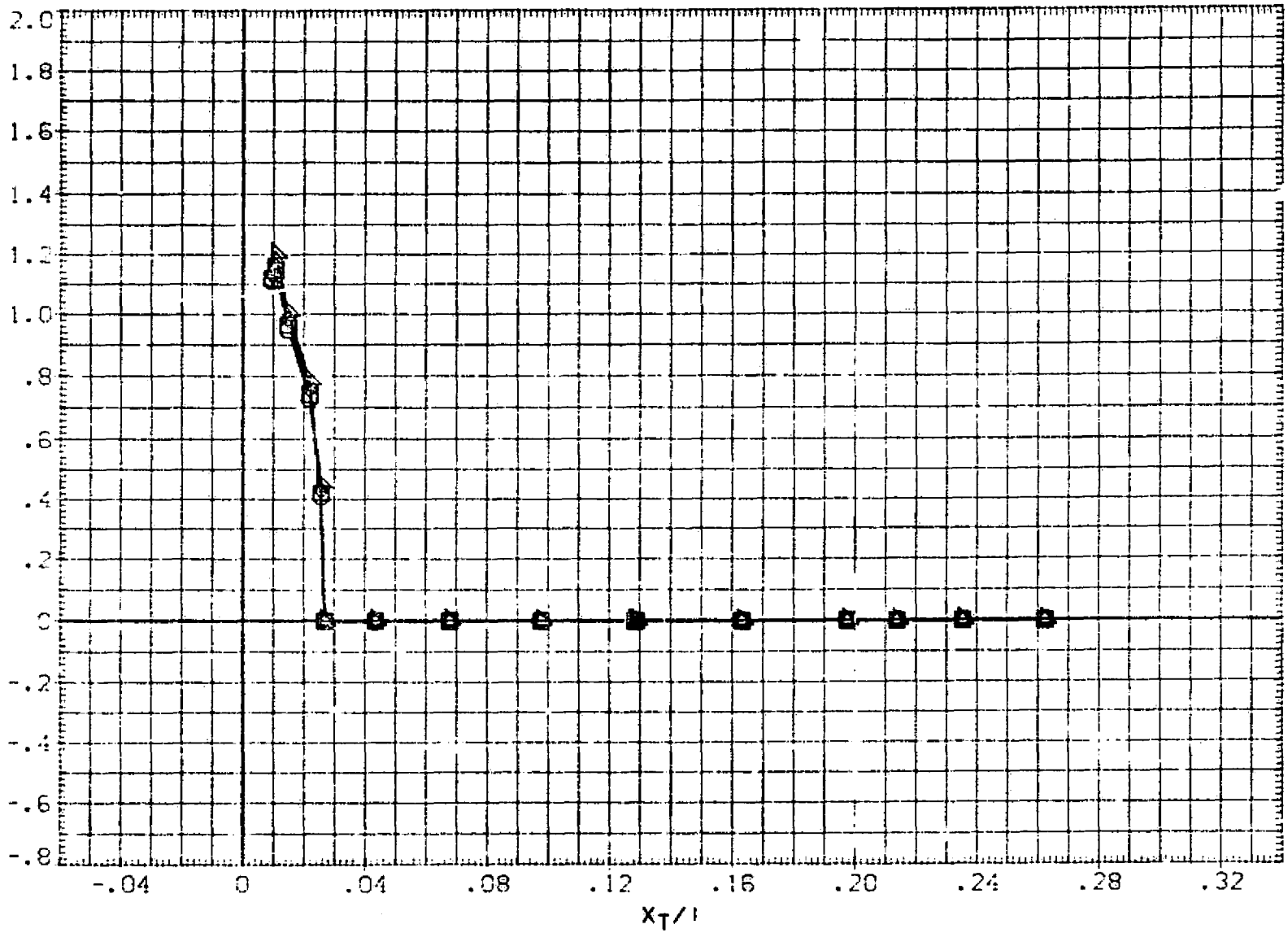


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1([A137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH
	1.030	30.000	.550
	2.050		
	3.100		
	4.060		
	6.100		
	8.140		

PARAMETRIC VALUES

PHI .000

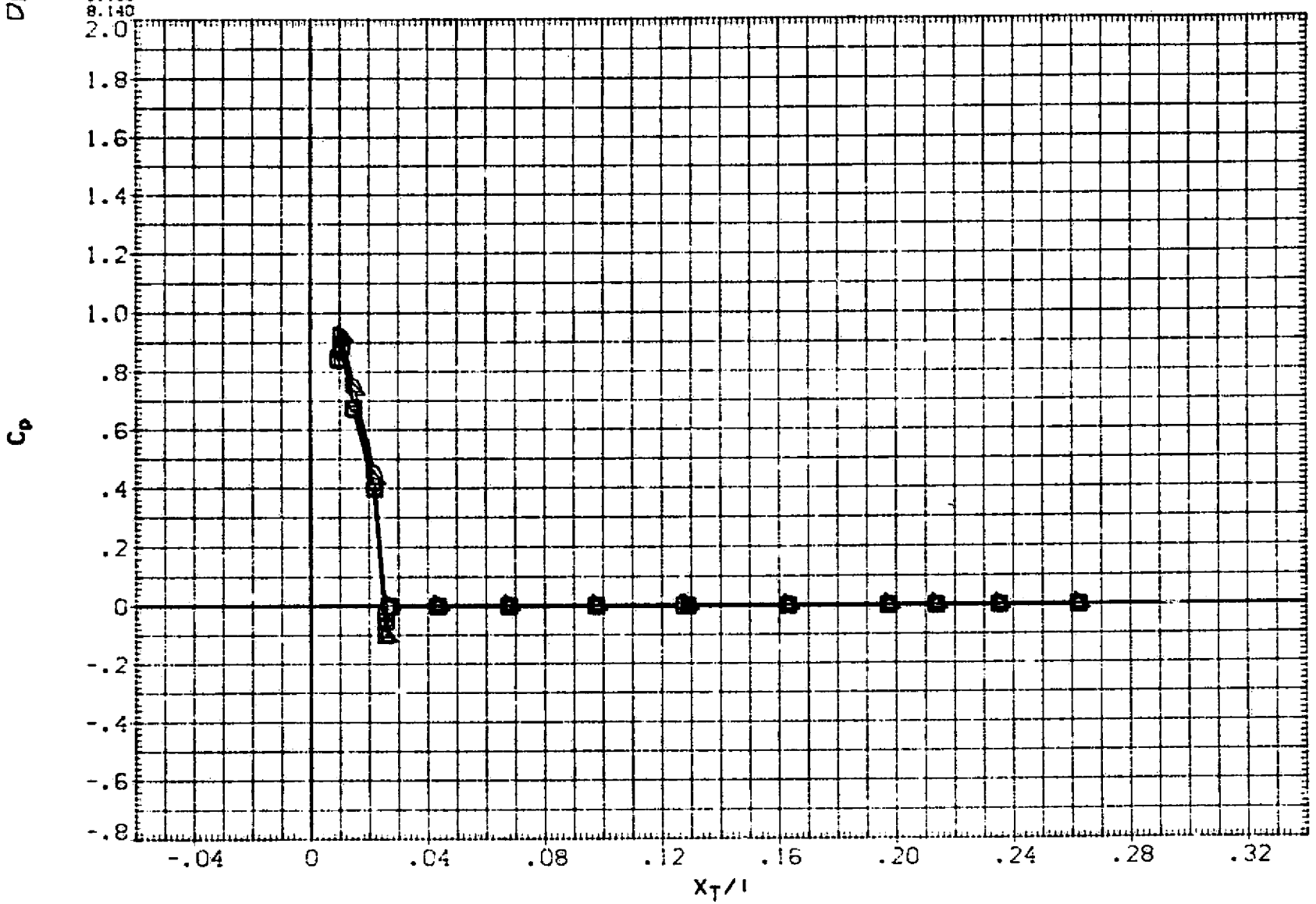


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1((A137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	1.080	30.000	.702	PHI .000
	2.180			
	3.160			
	4.190			
	6.180			
	8.220			

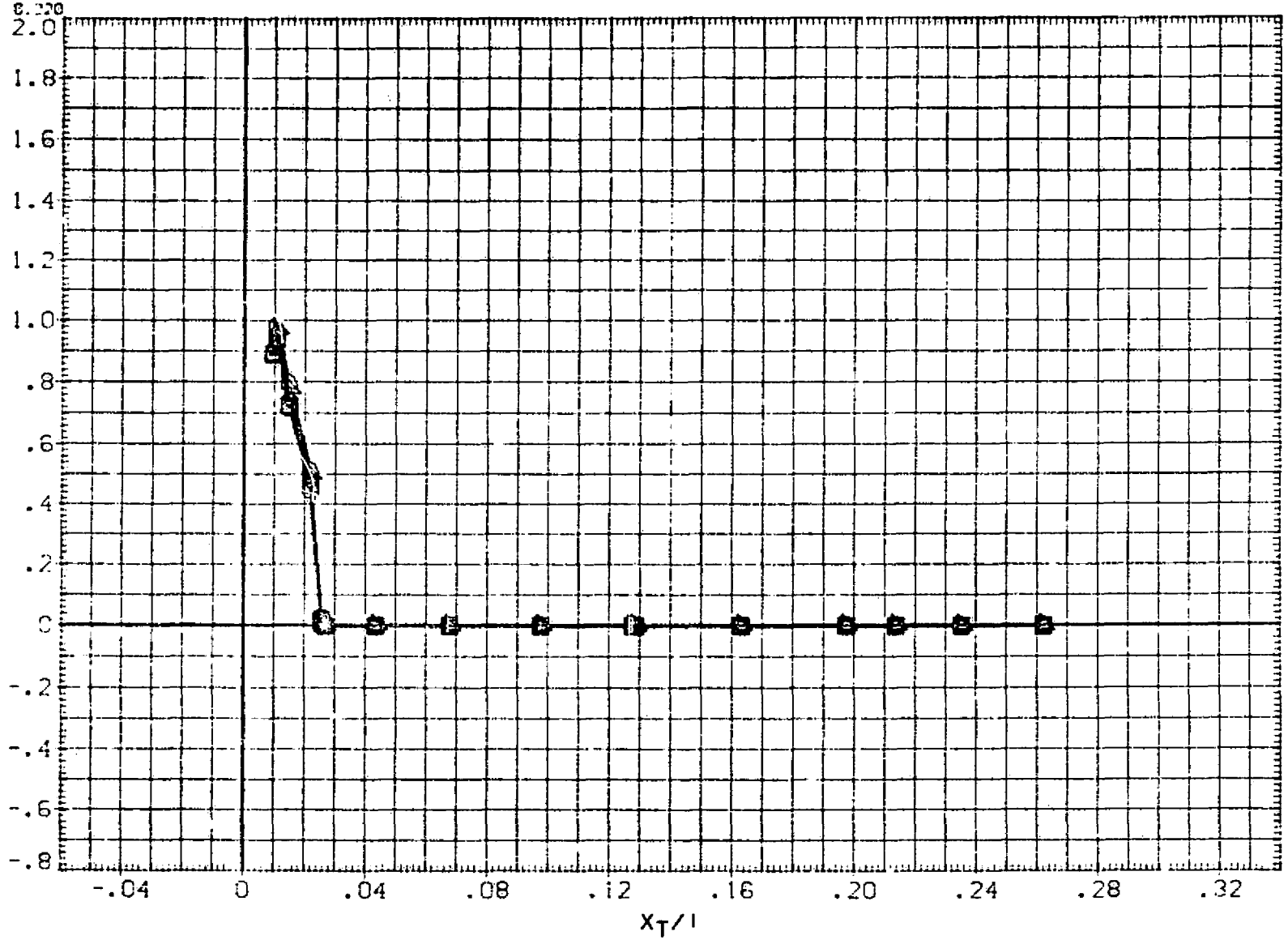


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	2.050	30.000	.802	PHI .000
	2.990			
	4.090			
	6.130			
	8.100			

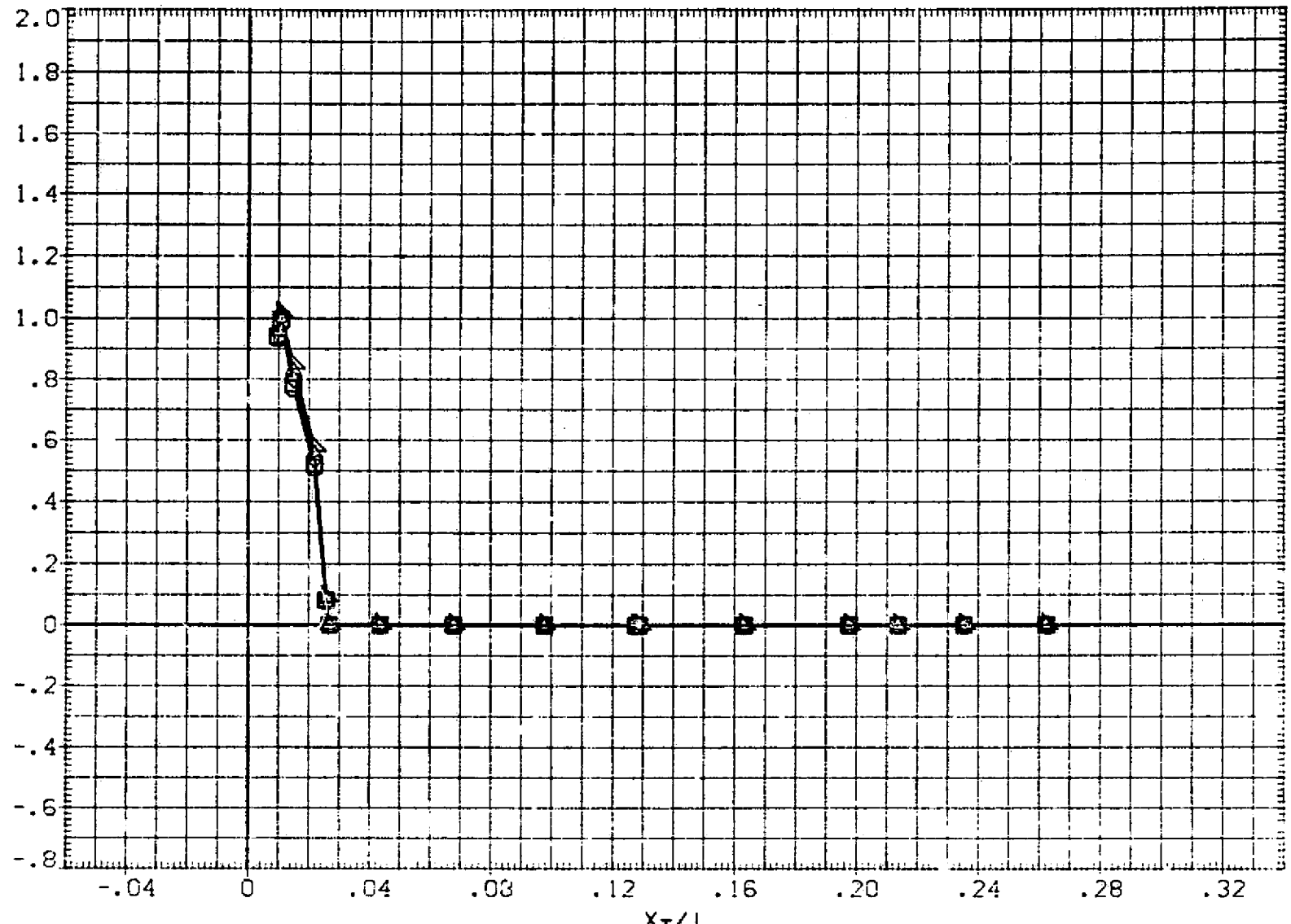


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

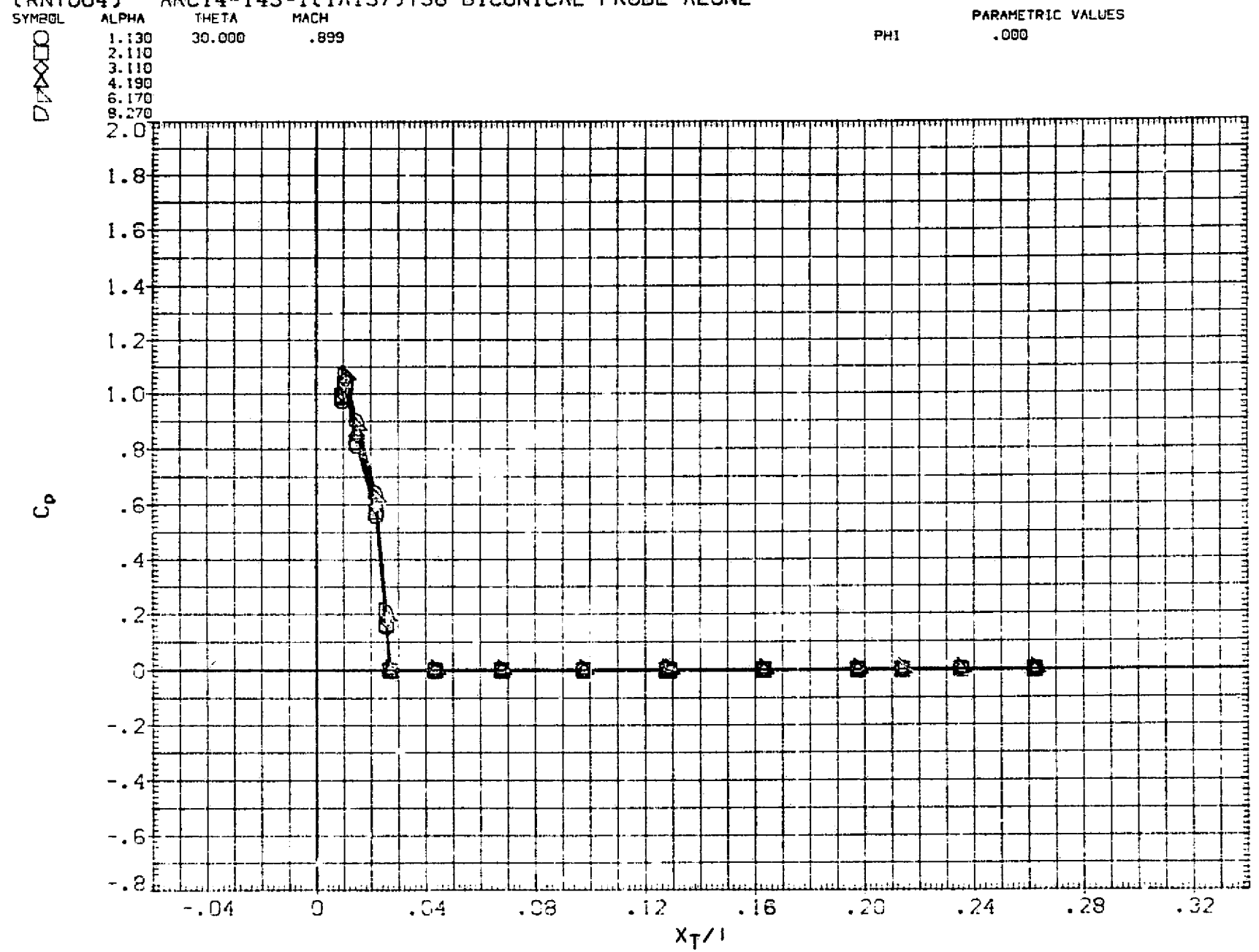


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES	
	1.130	30.000	.950	PHI	.000
	2.160				
	3.170				
	4.140				
	6.170				
	8.220				

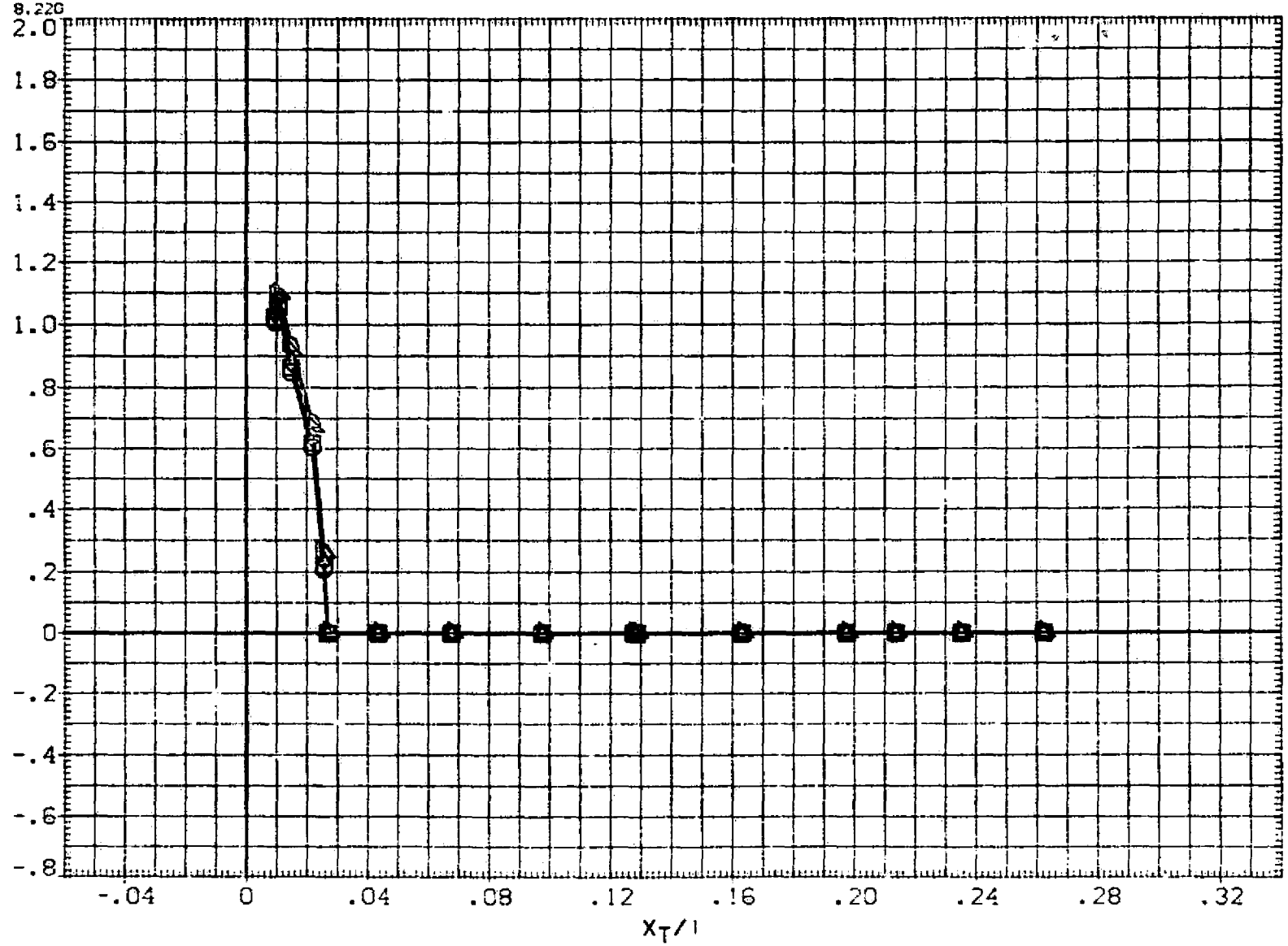


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH
□	1.130	30.000	1.099
◇	2.150		
△	3.160		
○	4.270		
▽	6.250		
⊠	8.280		

PARAMETRIC VALUES
PHI .000

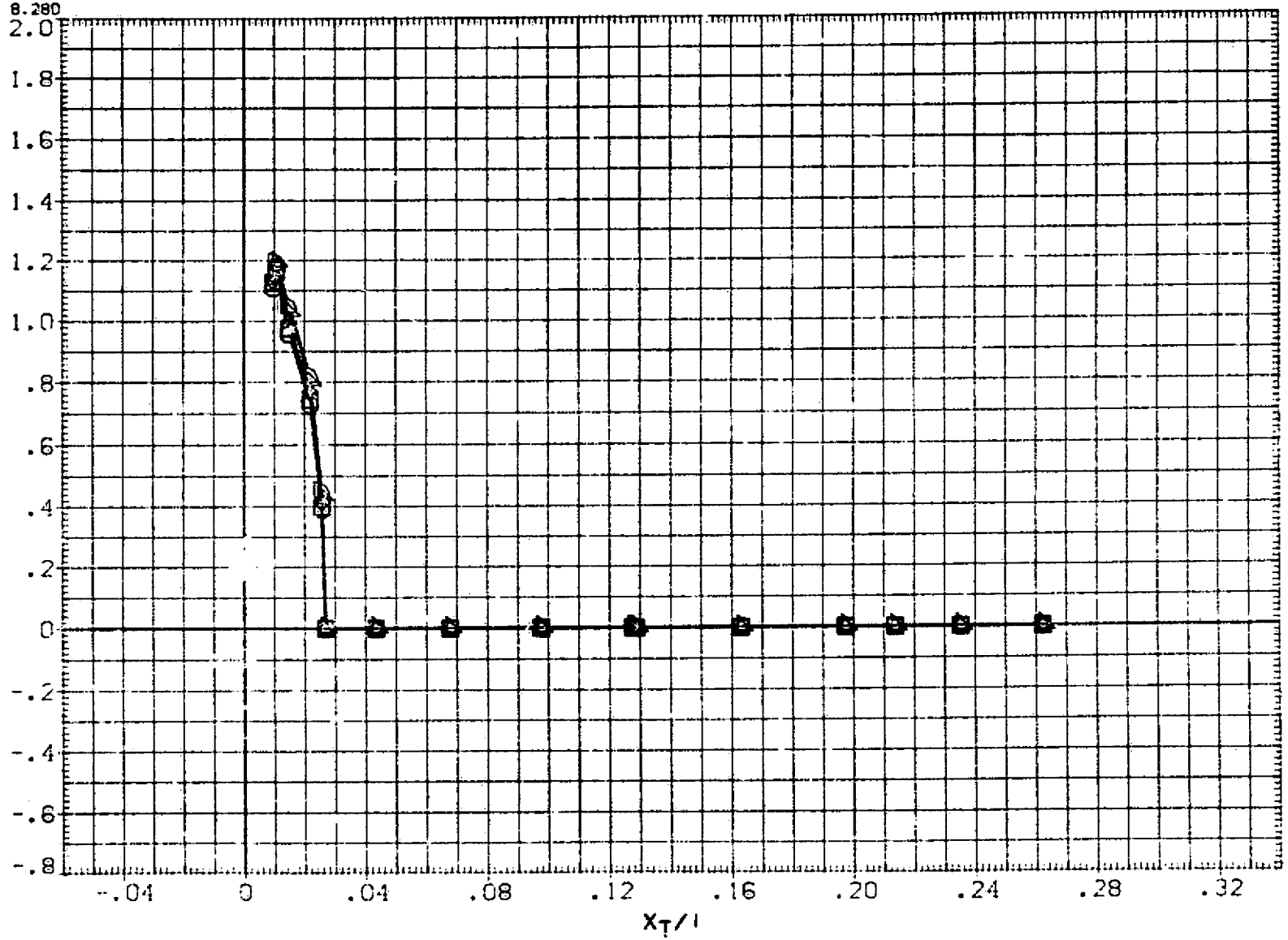


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS, PHI=0 DEGREES

(RNY004) ARC14-143-1([A137)T36 BICONICAL PROBE ALONE

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
□	1.160	30.000	1.152	PHI .000
◇	2.190			
△	3.130			
▽	4.230			
◁	6.240			
▷	8.260			

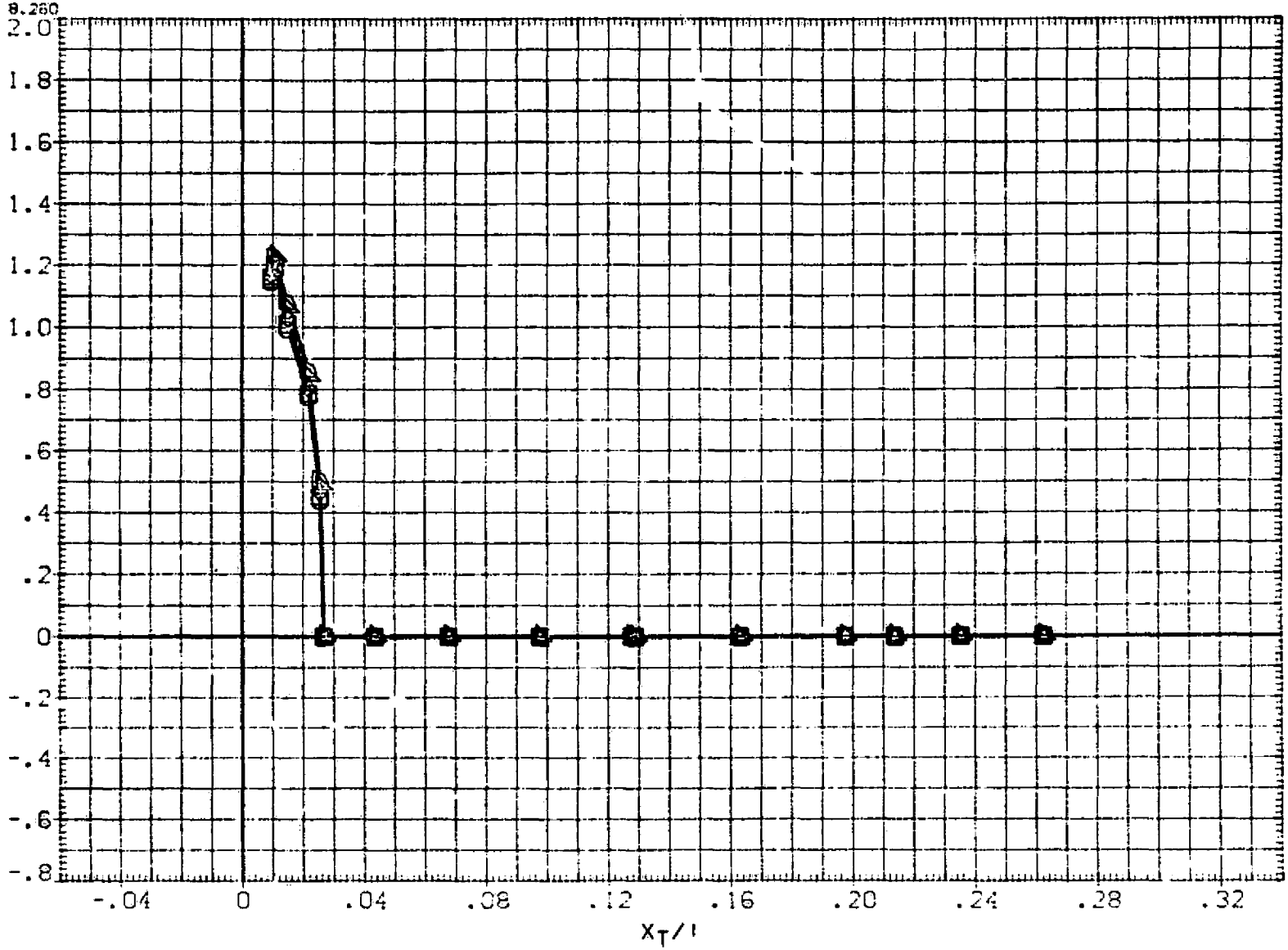


FIG.7 TANK SURFACE PRESSURE COEFFICIENTS. PHI=0 DEGREES

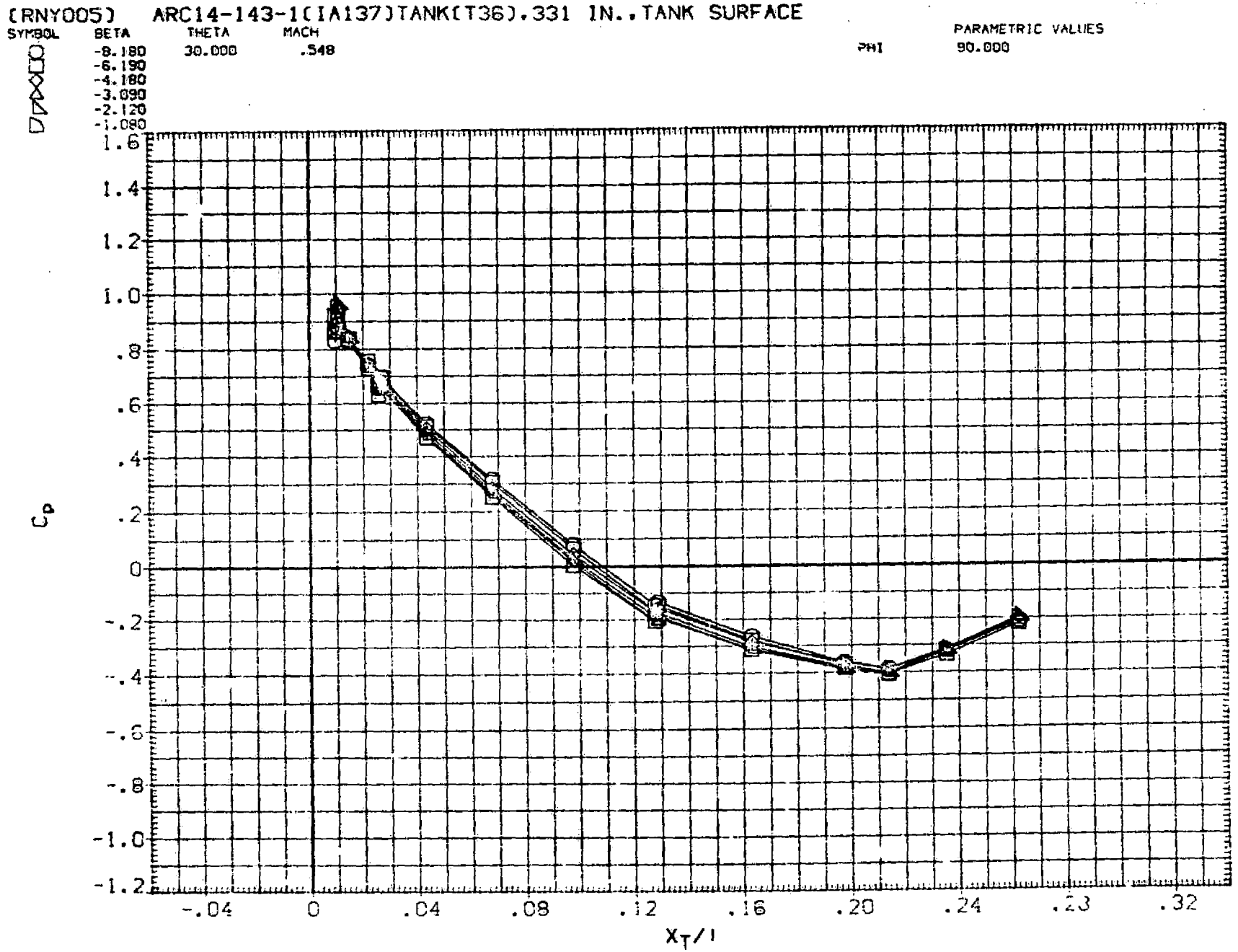


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

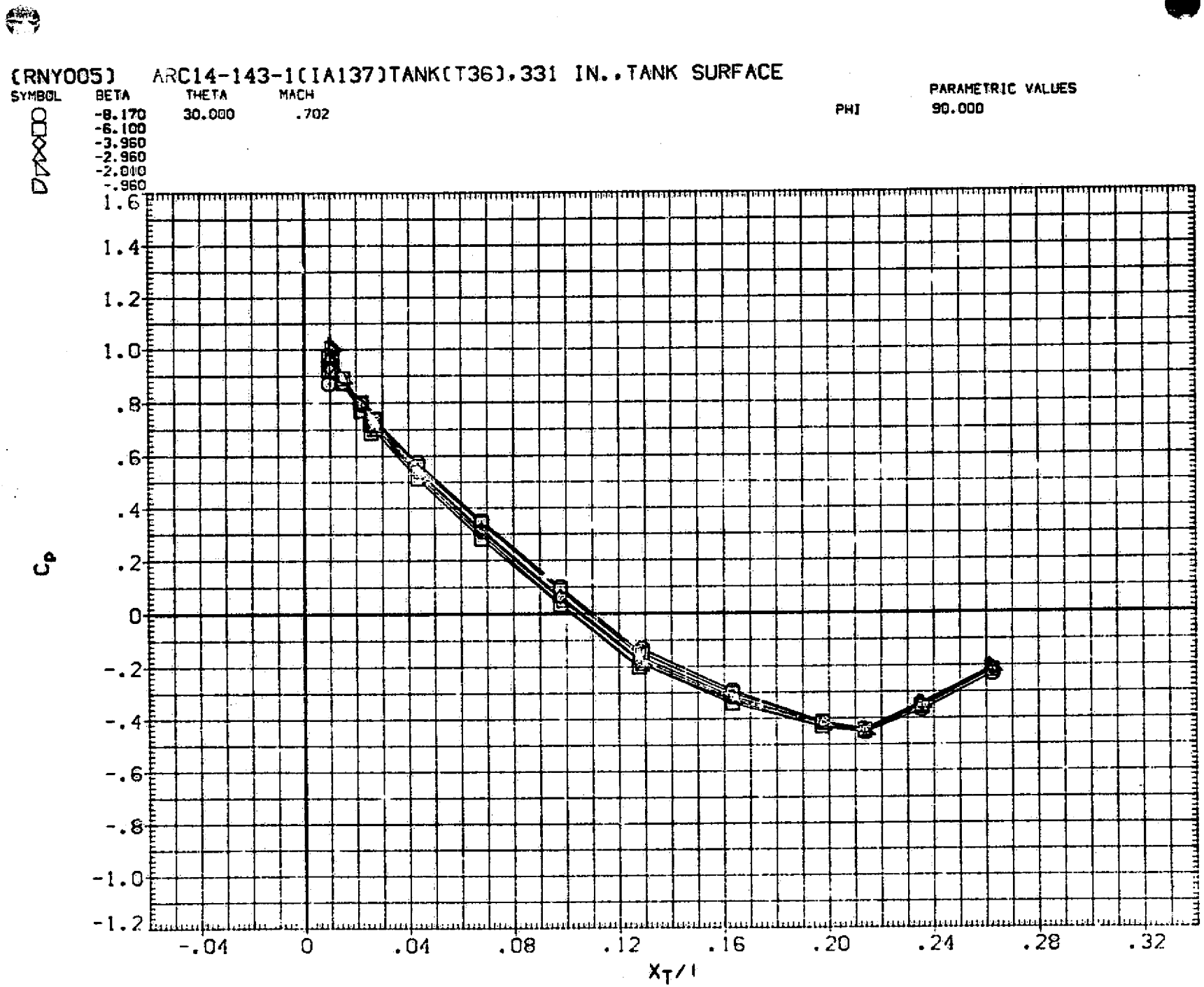


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
	-8.190	30.000	.802	PHI 90.000
	-6.190			
	-4.140			
	-3.160			
	-2.070			
	-1.060			

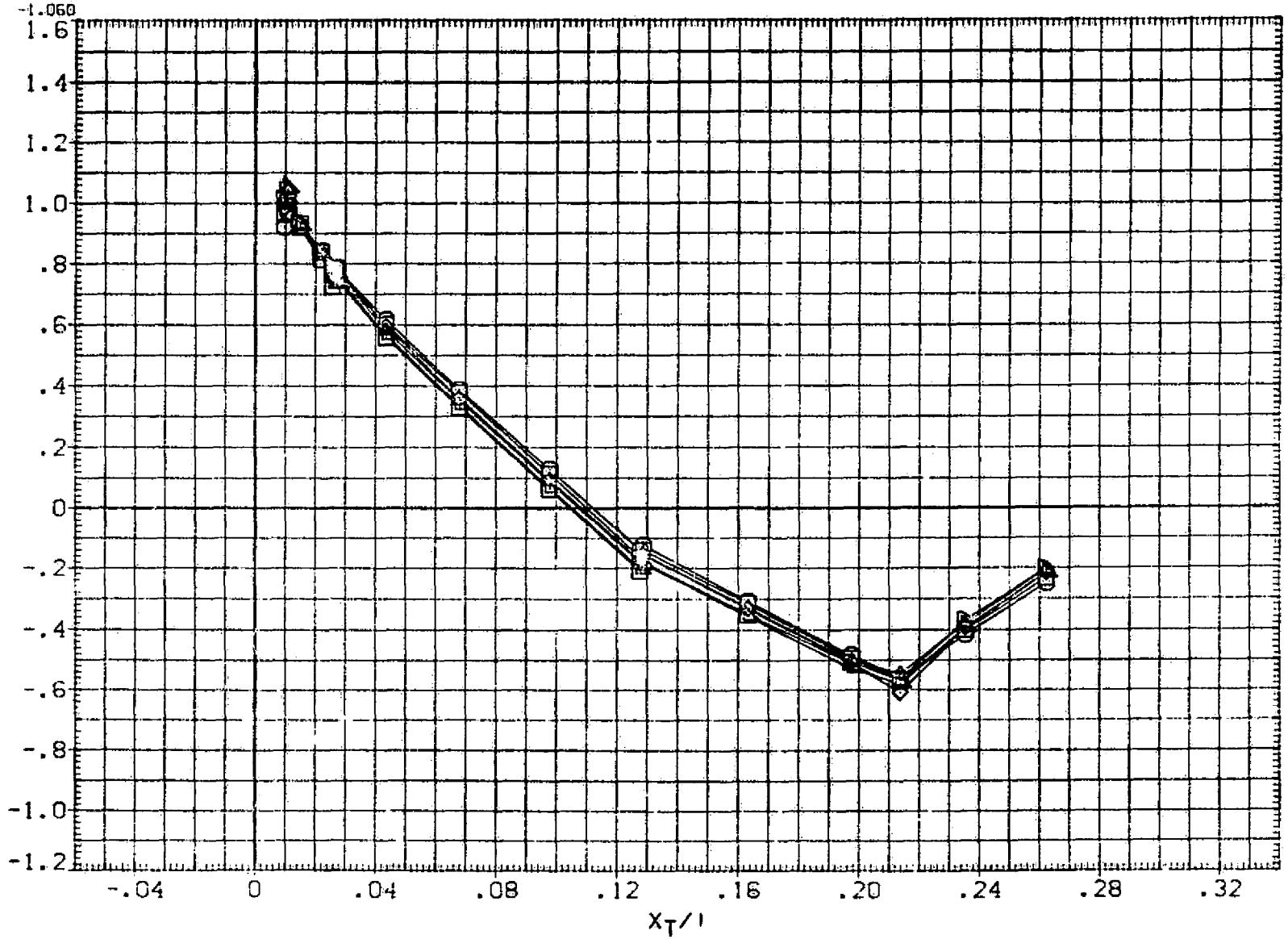


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	BETA	THETA	MACH
○	-8.130	30.000	.909
□	-6.120		
◇	-4.070		
△	-3.050		
◁	-2.010		
▷	-.970		

PARAMETRIC VALUES

PHI 90.000

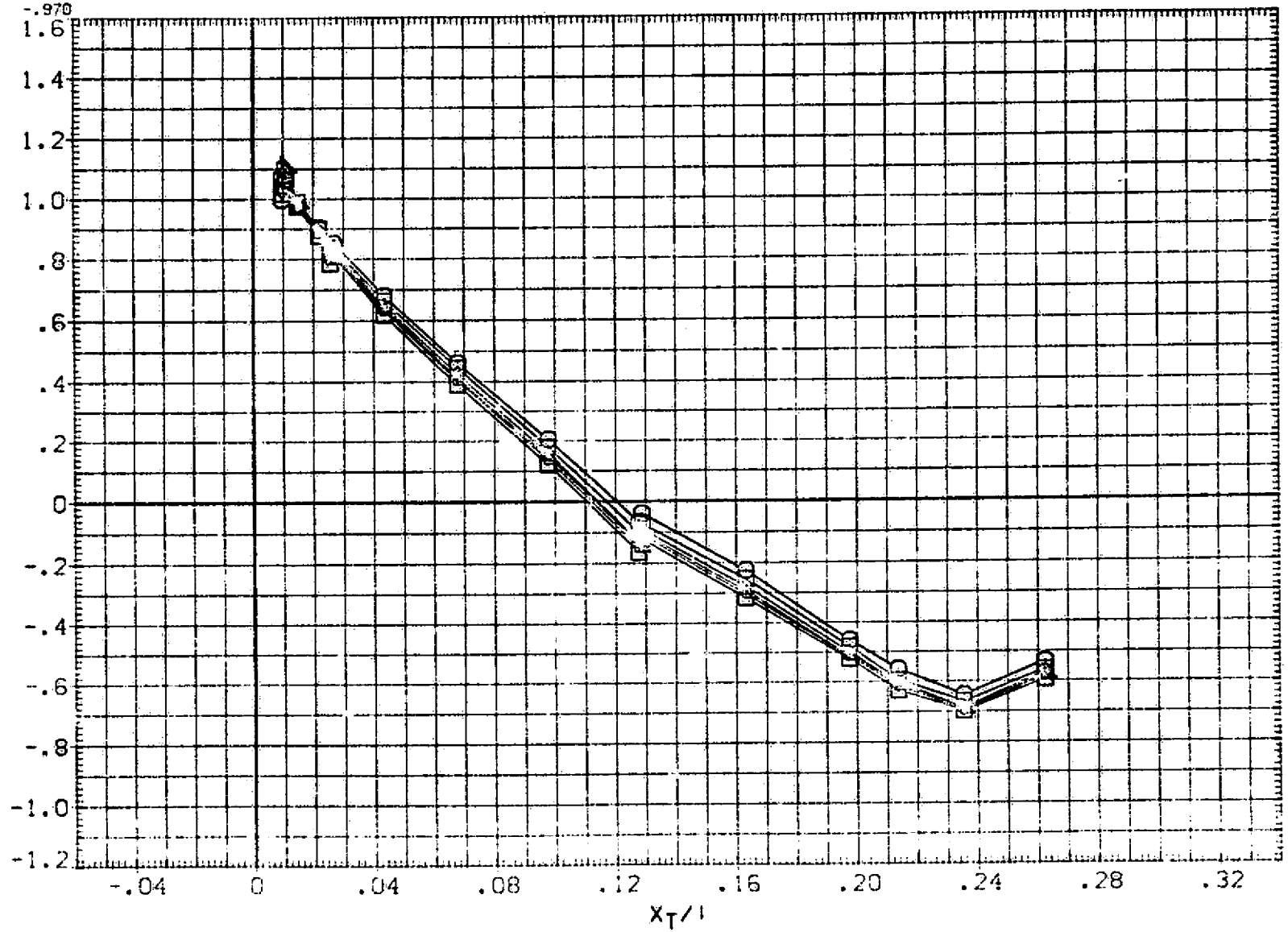


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	BETA	THETA	MACH
○	-8.140	30.000	.952
□	-6.080		
◇	-4.070		
△	-3.030		
▽	-1.960		
	-.960		

PARAMETRIC VALUES
PHI 90.000

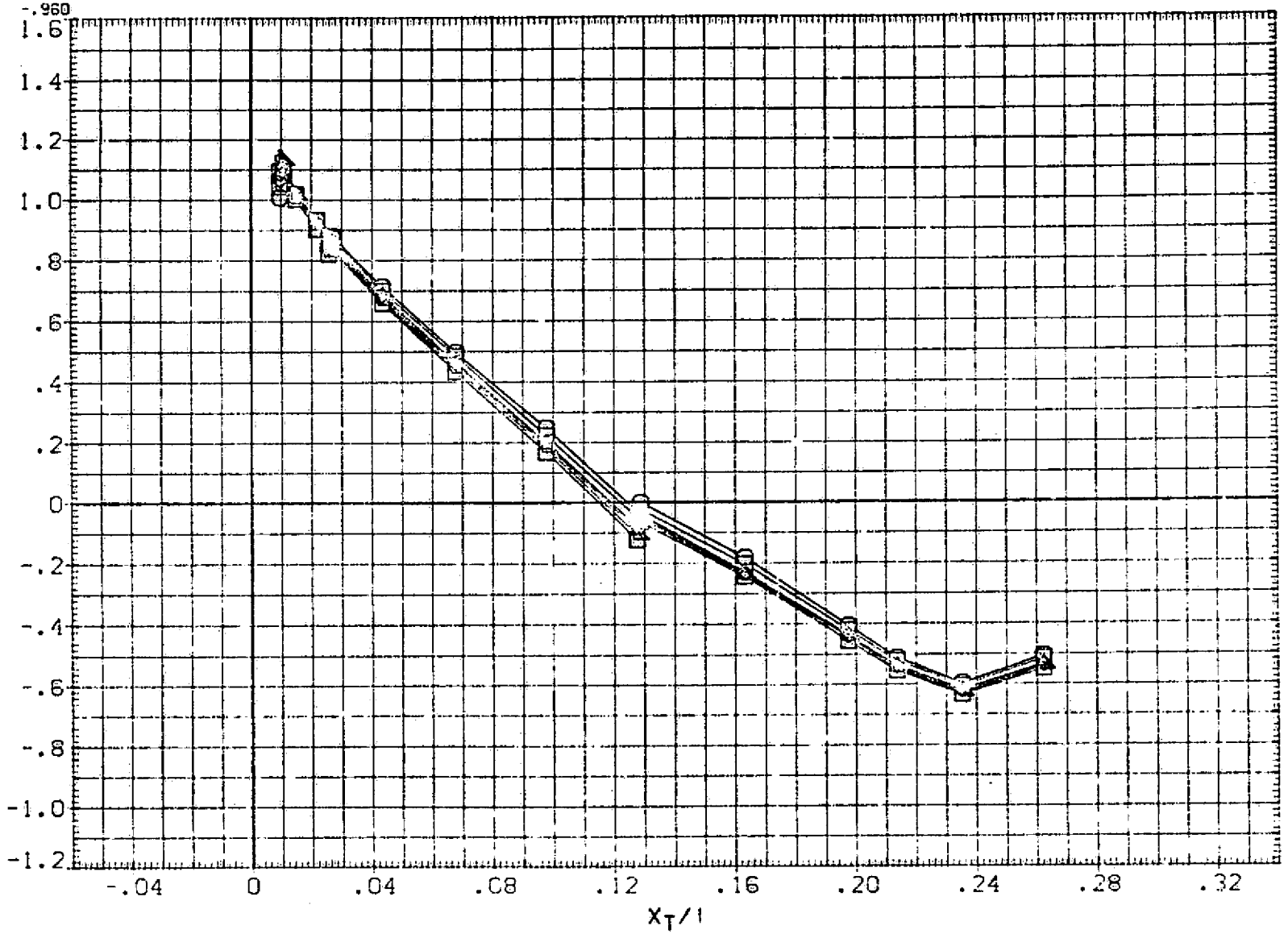


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
	-7.980	30.000	1.049	PHI 90.000
	-6.050			
	-4.070			
	-3.010			
	-1.940			
	-.880			

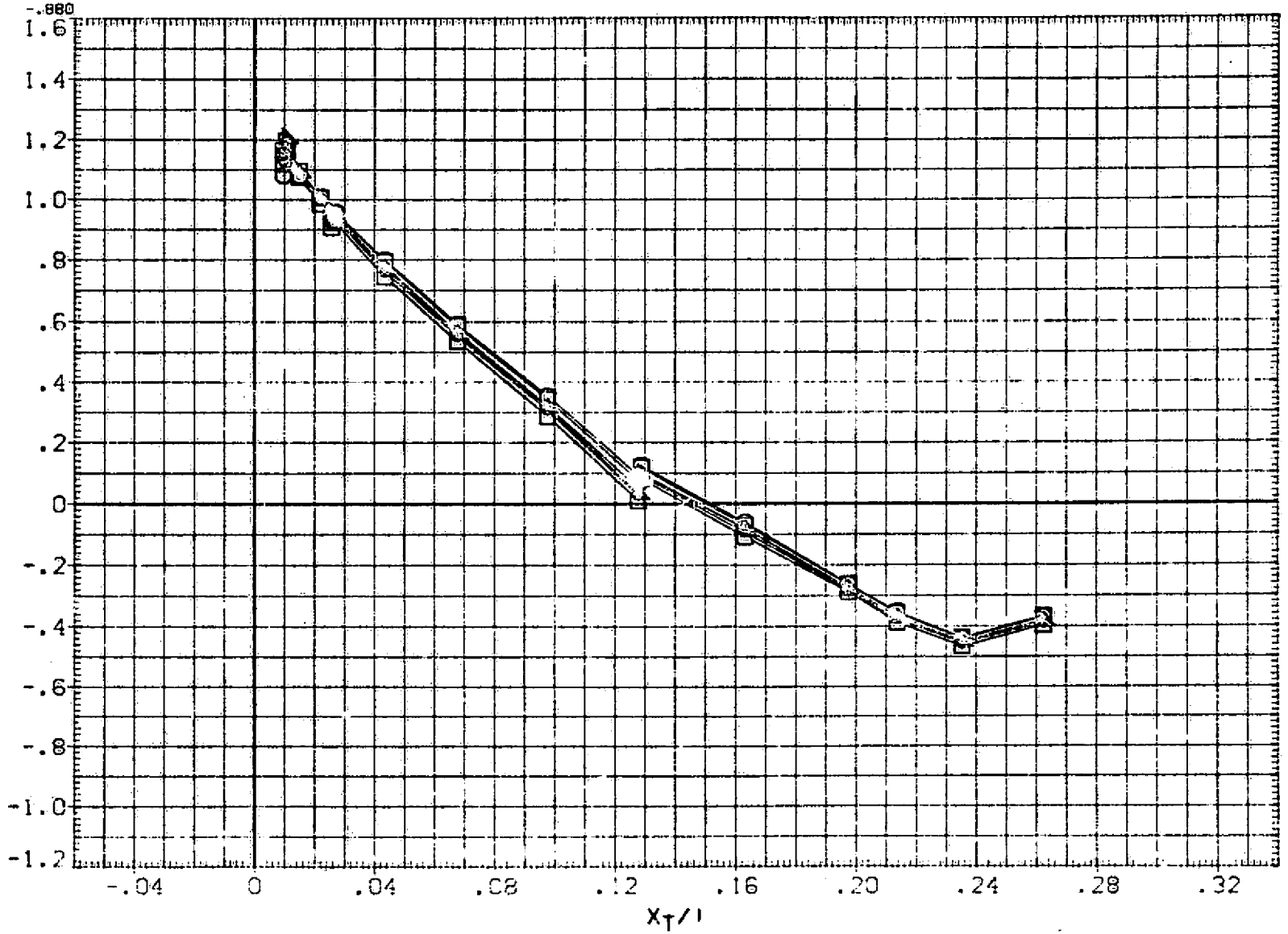


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1([A137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	BETA	THETA	MACH
□	-8.140	30.000	1.105
◇	-6.030		
△	-3.960		
▽	-3.040		
◁	-2.000		
▷	-.920		

PARAMETRIC VALUES

PHI 90.000

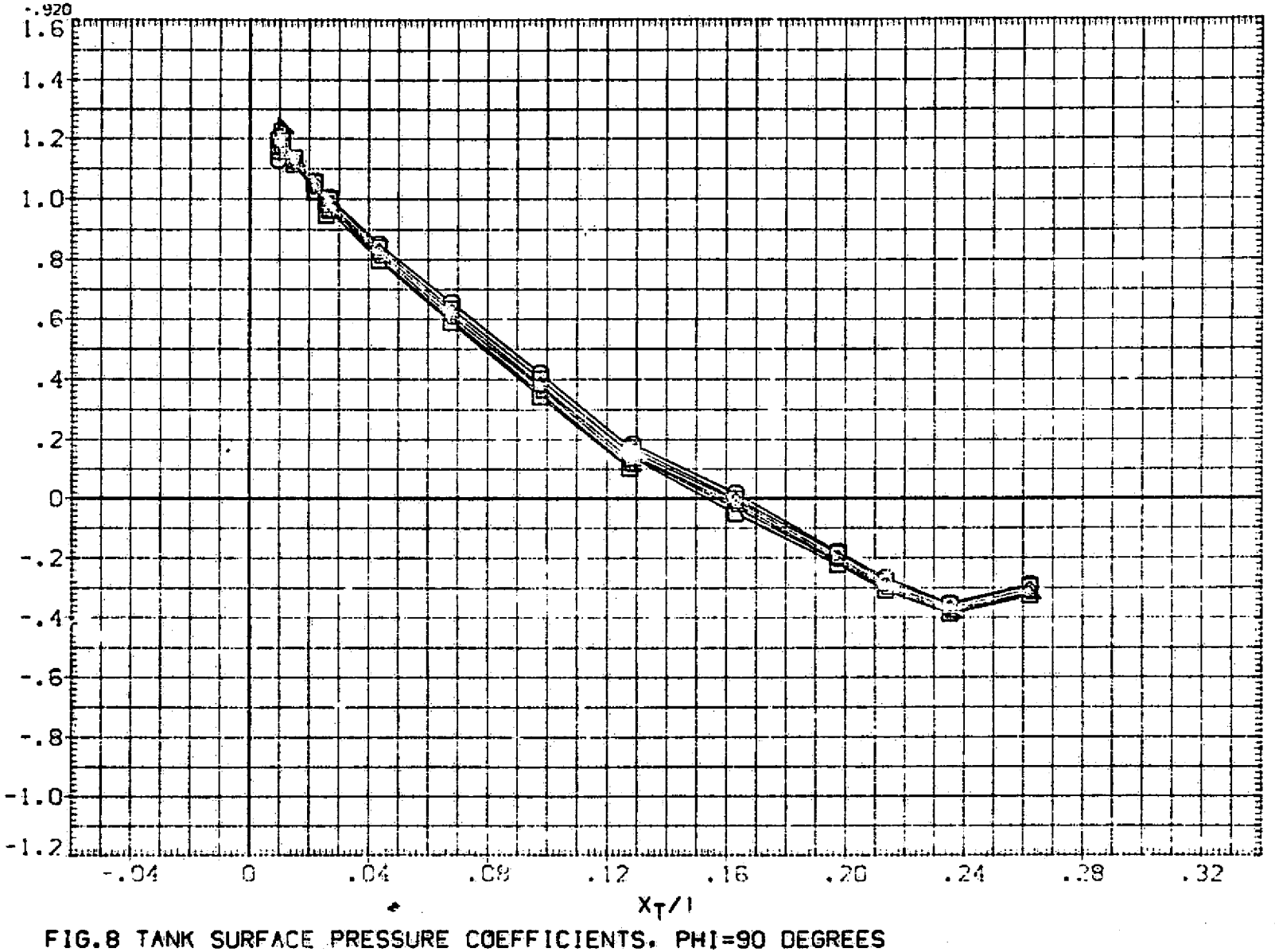


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
○	-2.120	30.000	.548	PHI 90.000
□	-1.080			
◇	.020			
▽	1.040			
△	2.010			

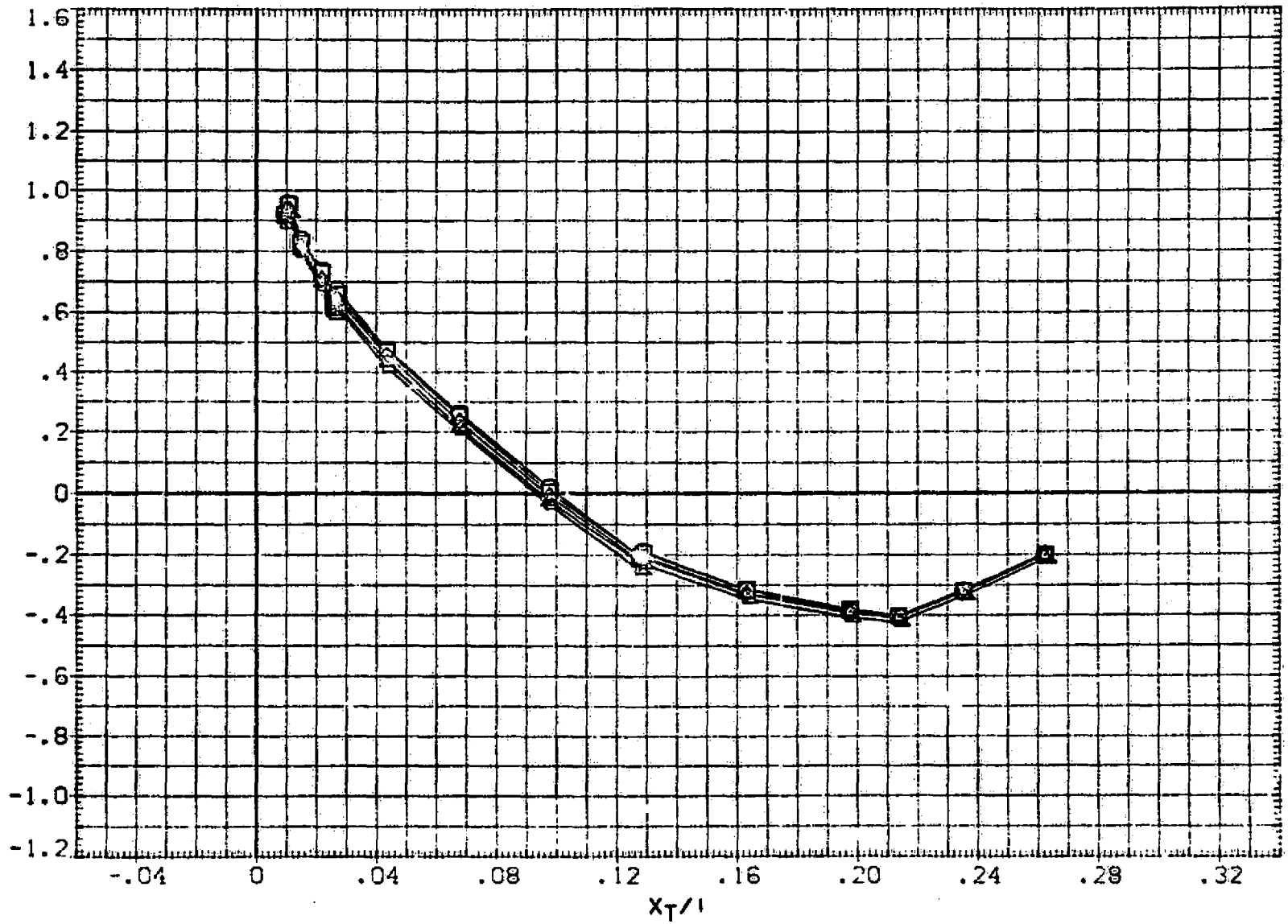


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1([IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
	-2.010	30.000	.702	PHI. 90.000
	-.960			
	.140			
	1.090			
	2.120			

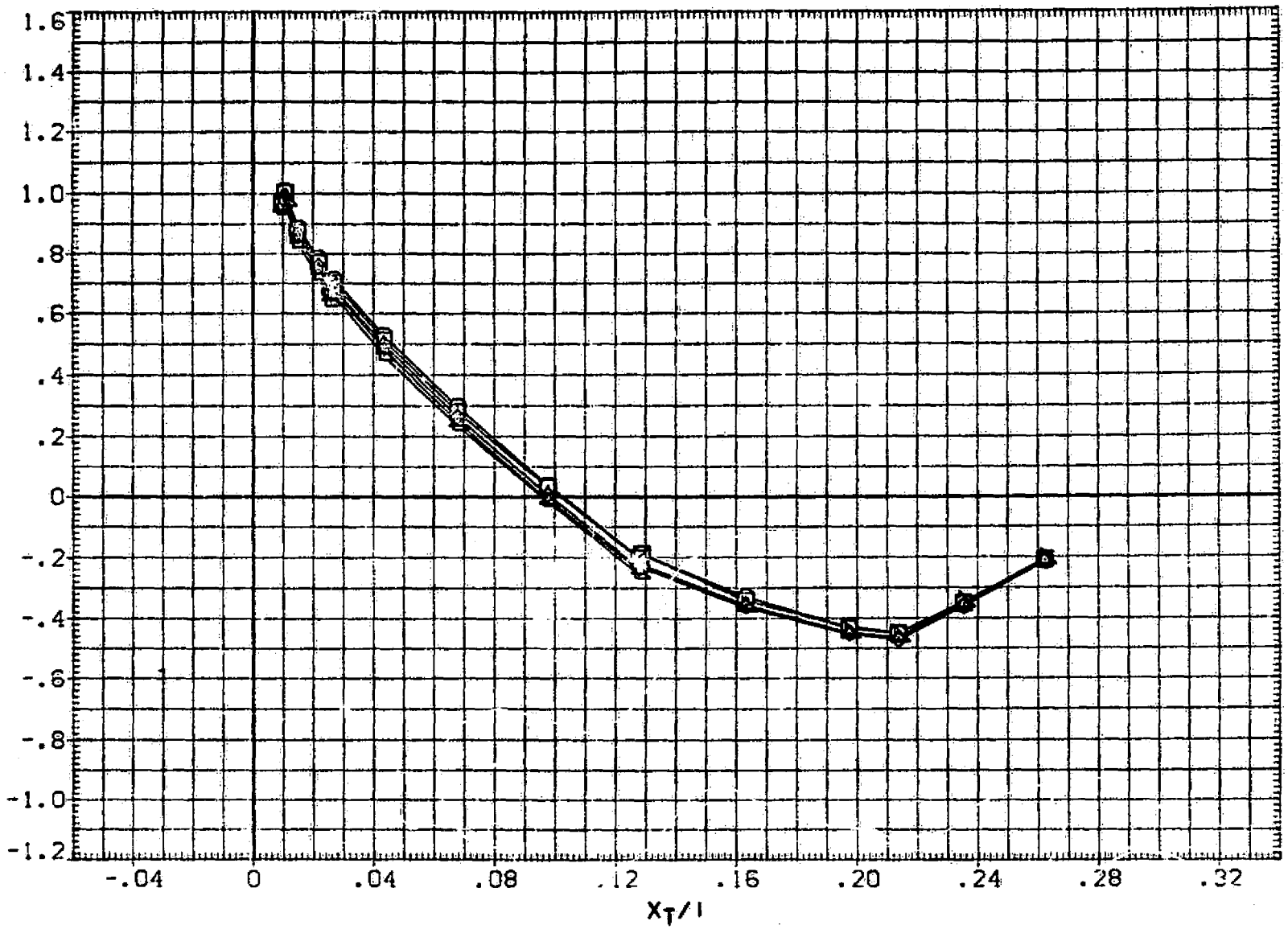


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
	-2.070	30.000	.802	PHI 90.000
	-1.060			
	.170			
	1.000			
	1.940			

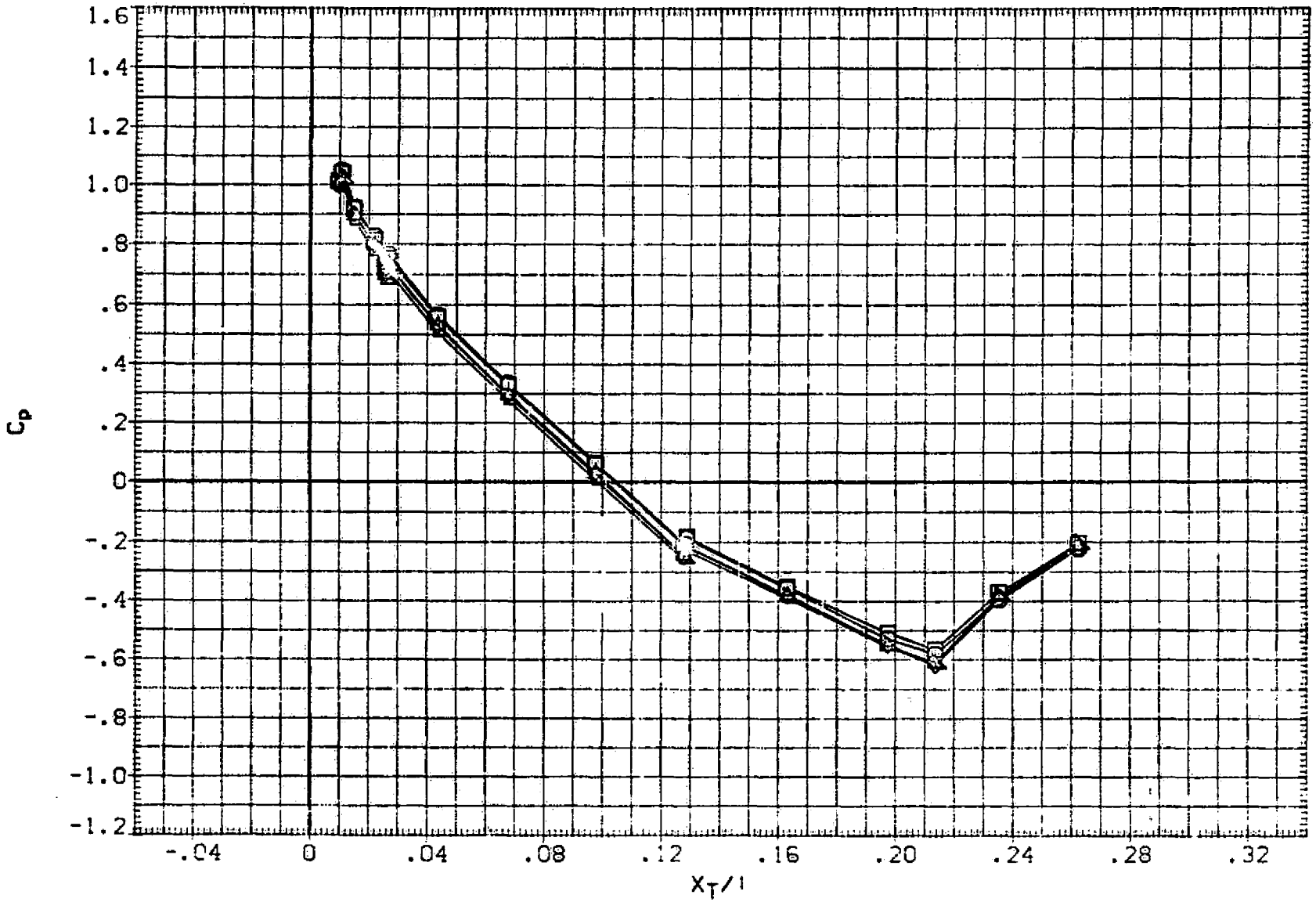


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
○	-2.010	30.000	.909	PHI 90.000
□	-.970			
◇	.270			
△	1.300			
◁	2.180			

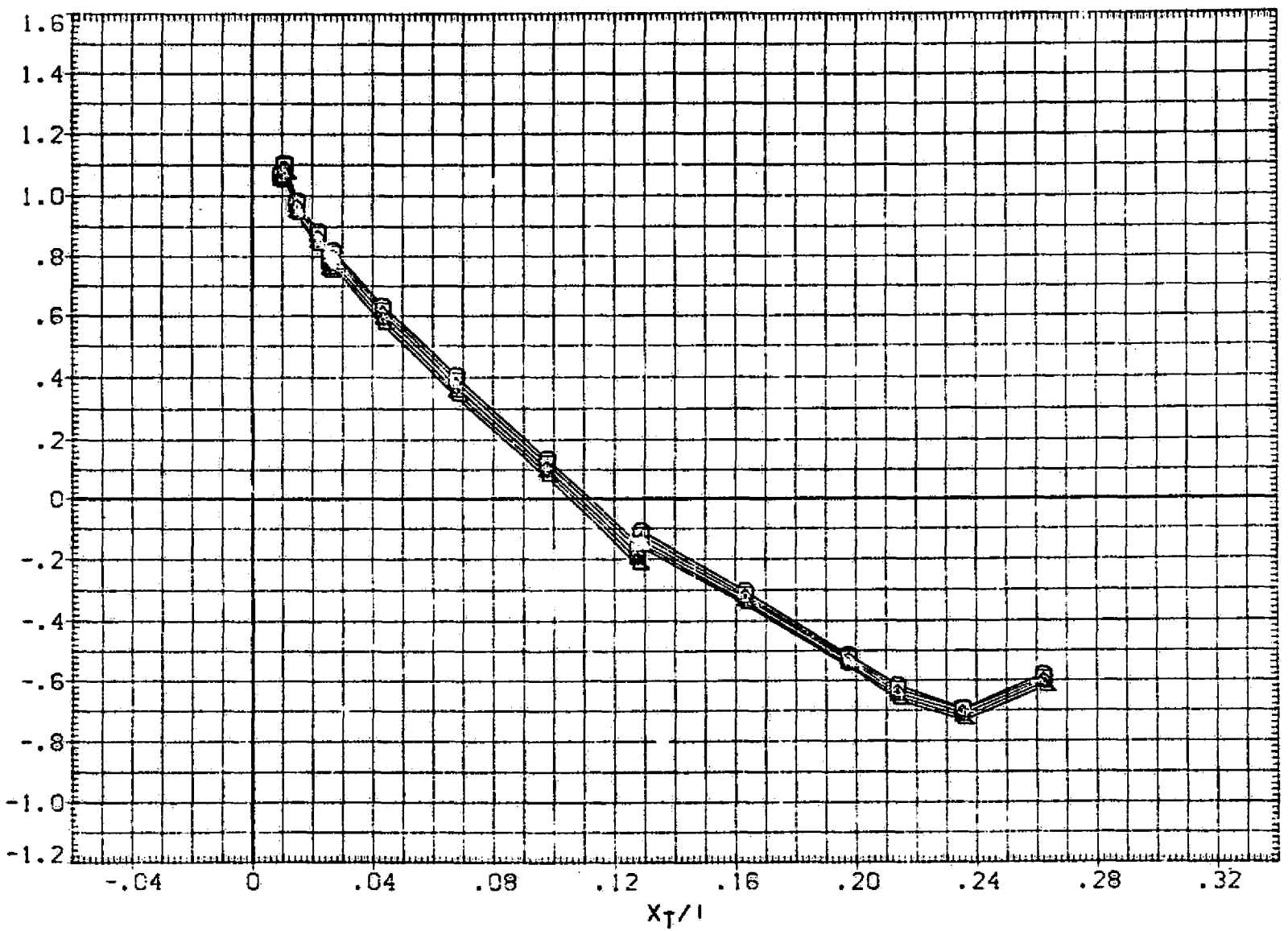


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	BETA	THETA	MACH		PARAMETRIC VALUES
	-1.960	30.000	.952	PHI	90.000
	-.960				
	.200				
	1.120				
	2.190				

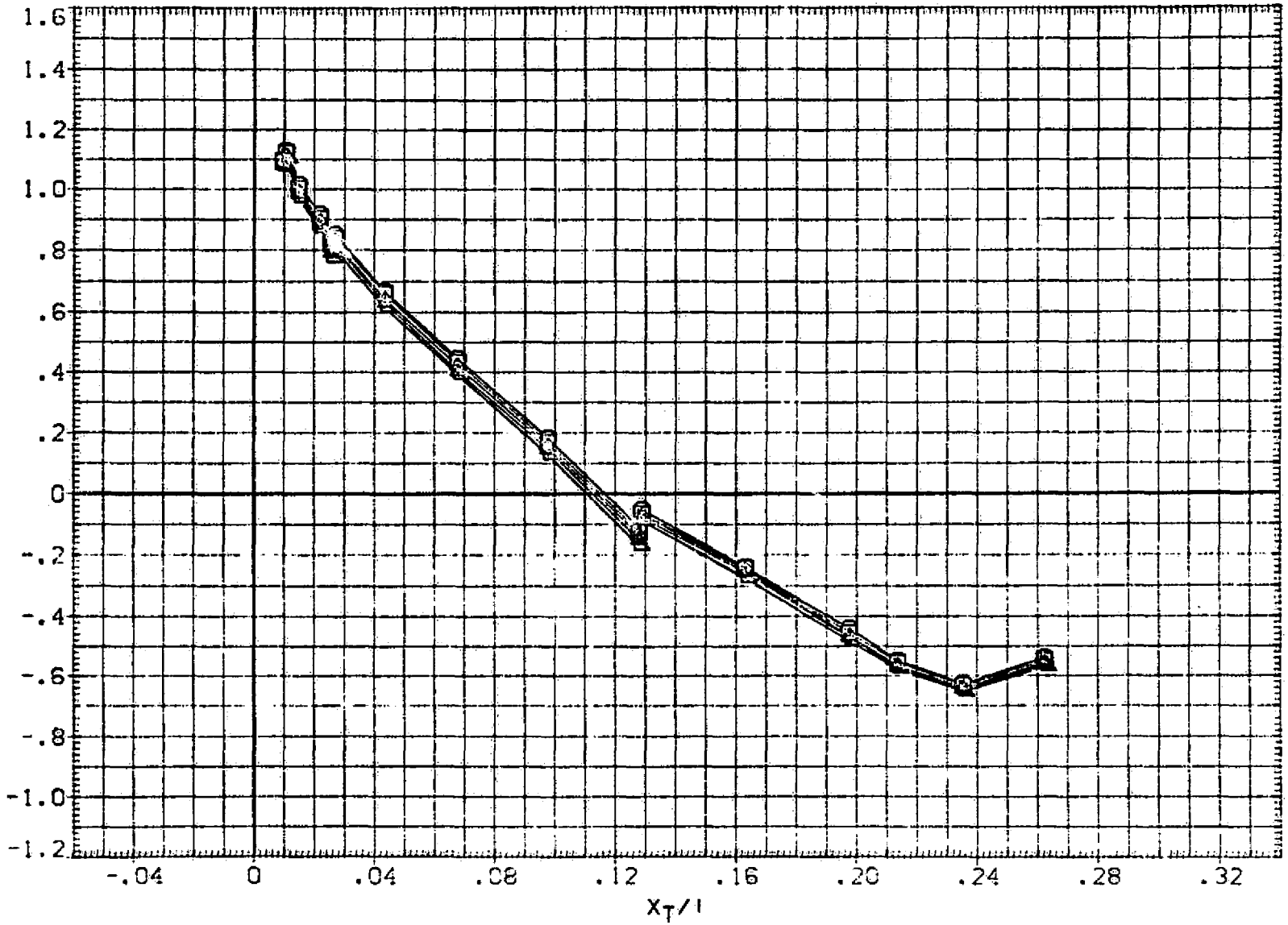


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
	-1.940	30.000	1.049	PHI 90.000
	-.880			
	.280			
	1.350			
	2.270			

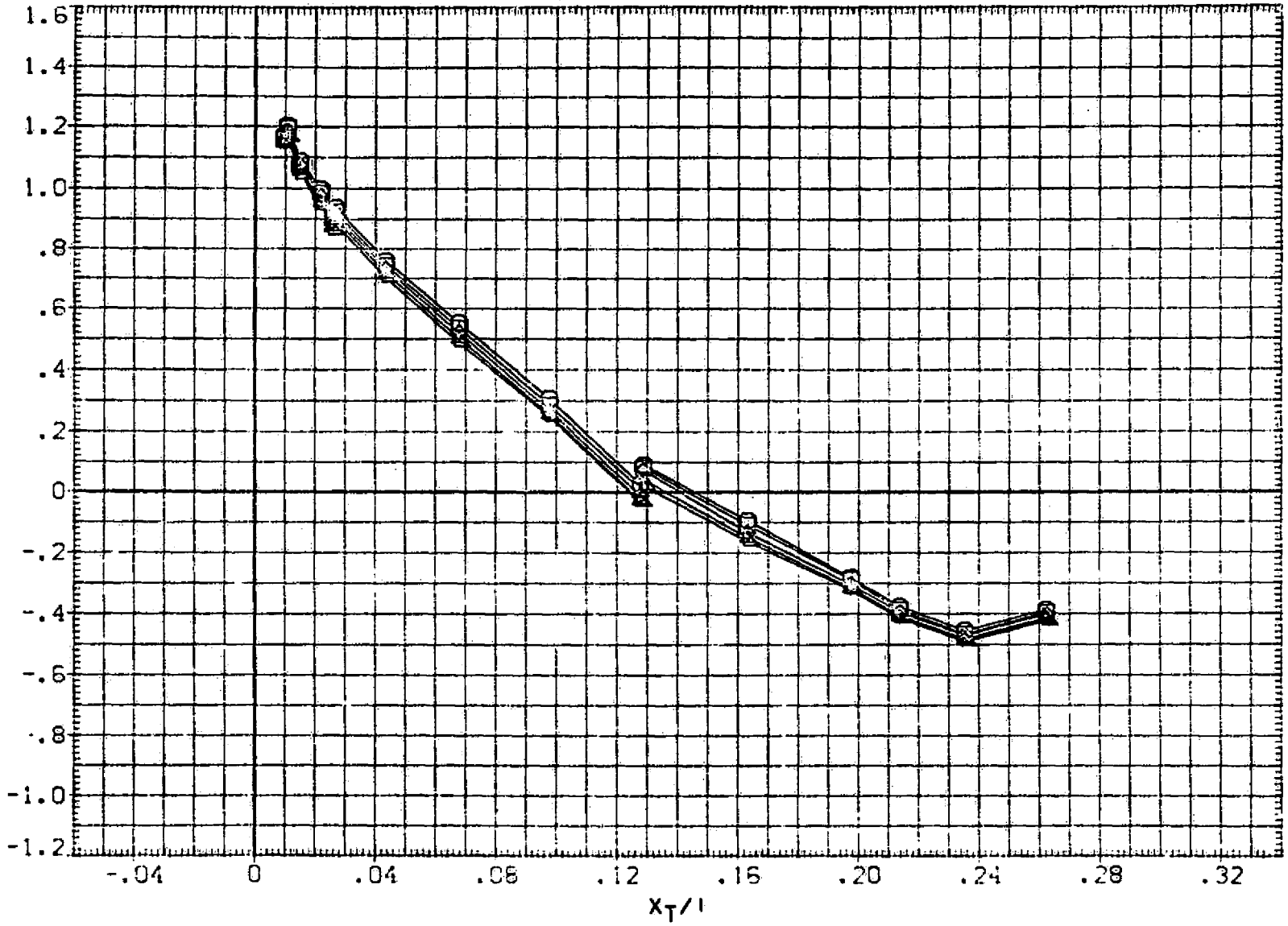


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	BETA	THETA	MACH		PARAMETRIC VALUES
	-2.000	30.000	1.105	PHI	90.000
	-.920				
	.180				
	1.240				
	2.220				

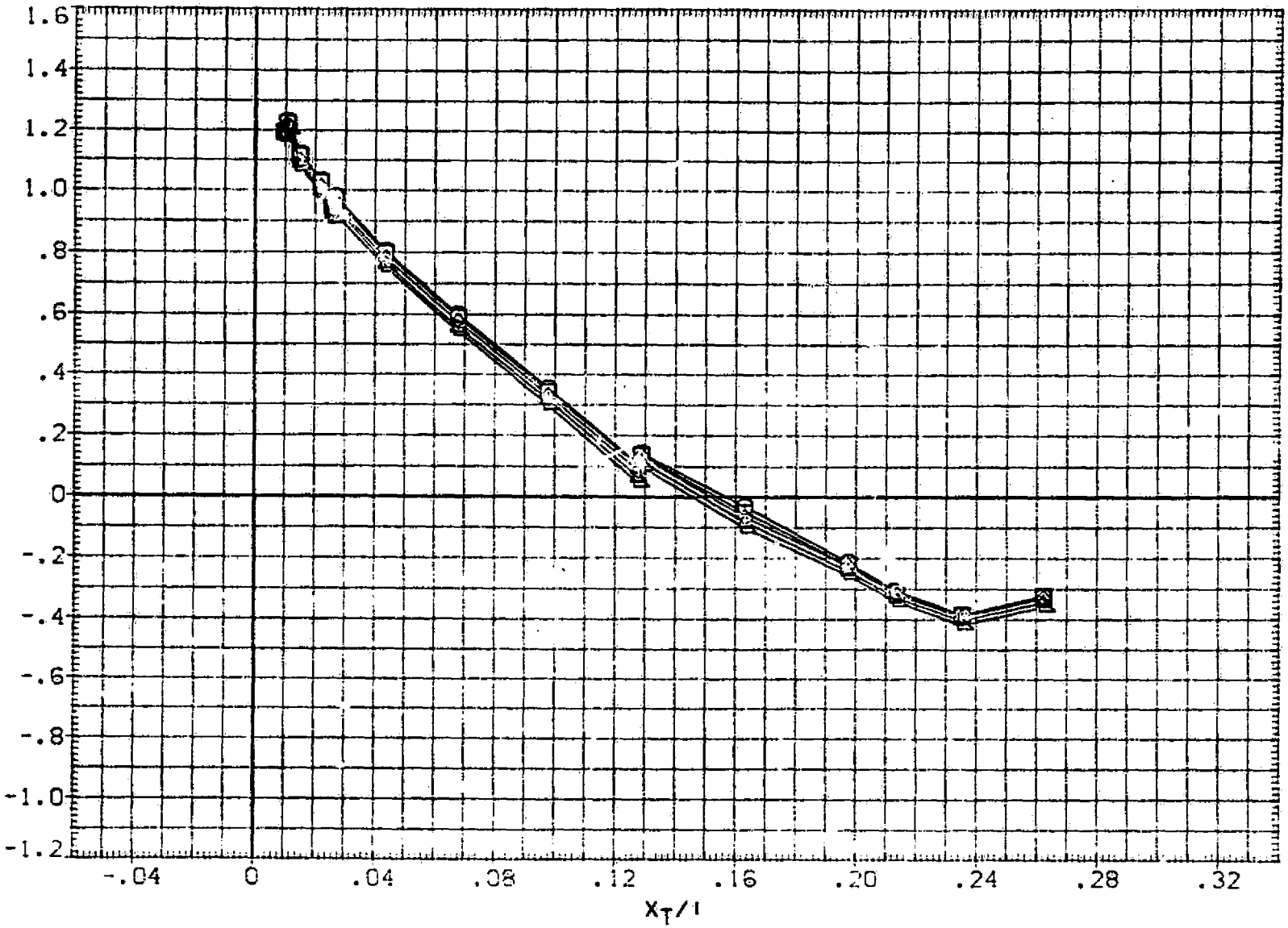


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
	1.040	30.000	.548	PHI 90.000
	2.010			
	3.190			
	4.120			
	6.160			
	8.160			

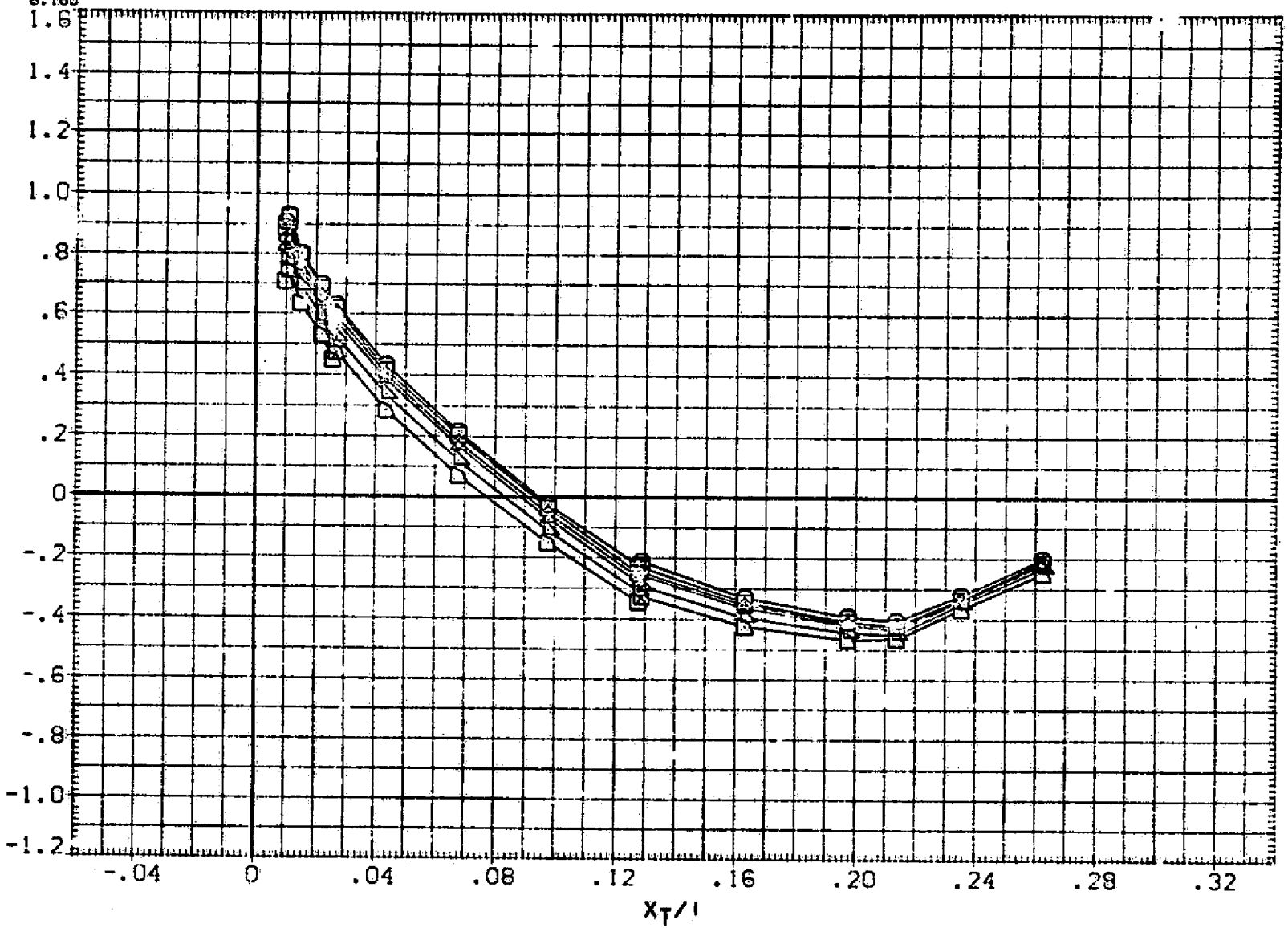


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	BETA	THETA	MACH		PARAMETRIC VALUES
	1.080	30.000	.702	PHI	90.000
	2.120				
	3.190				
	4.180				
	6.230				
	8.290				

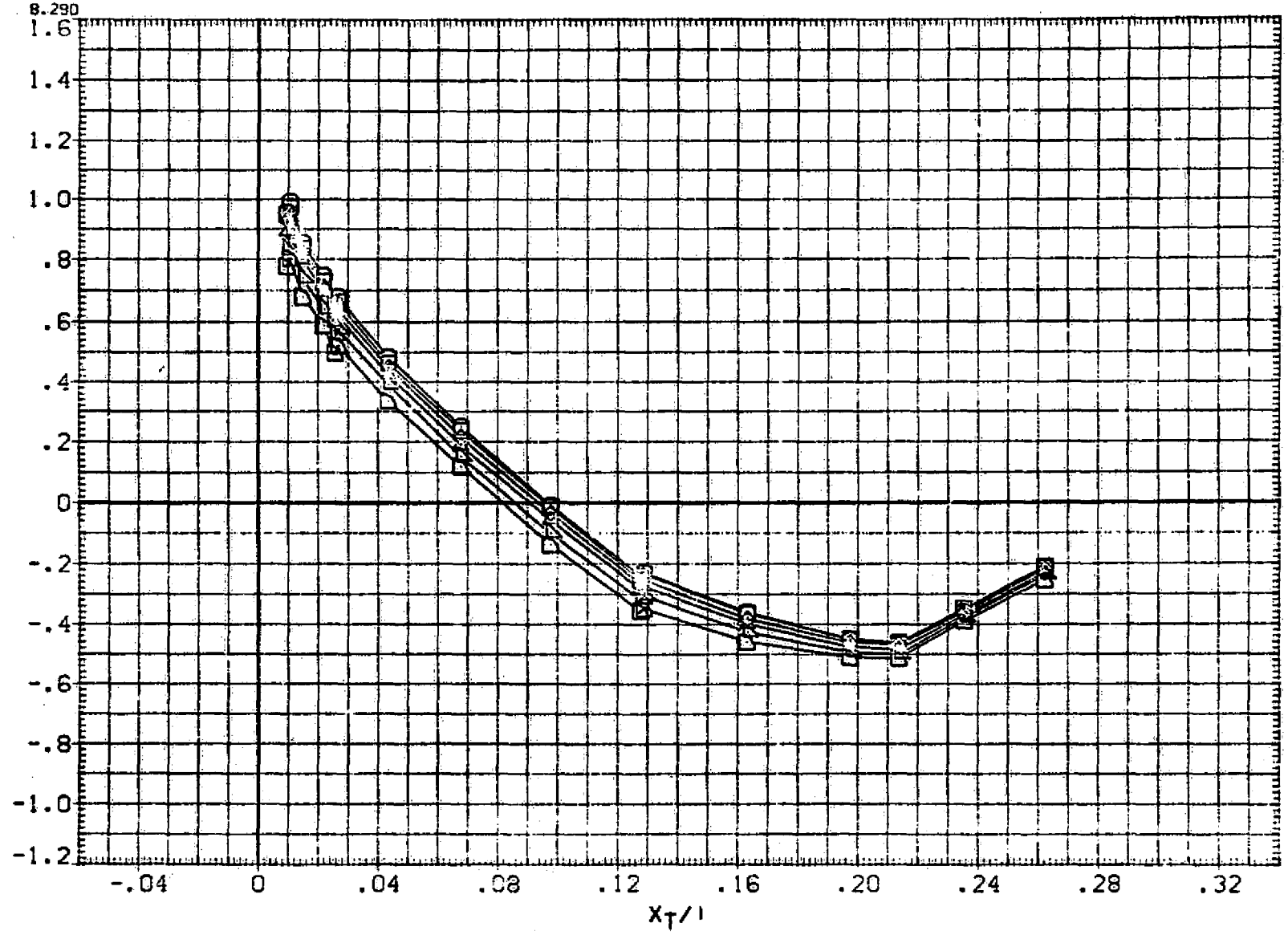


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

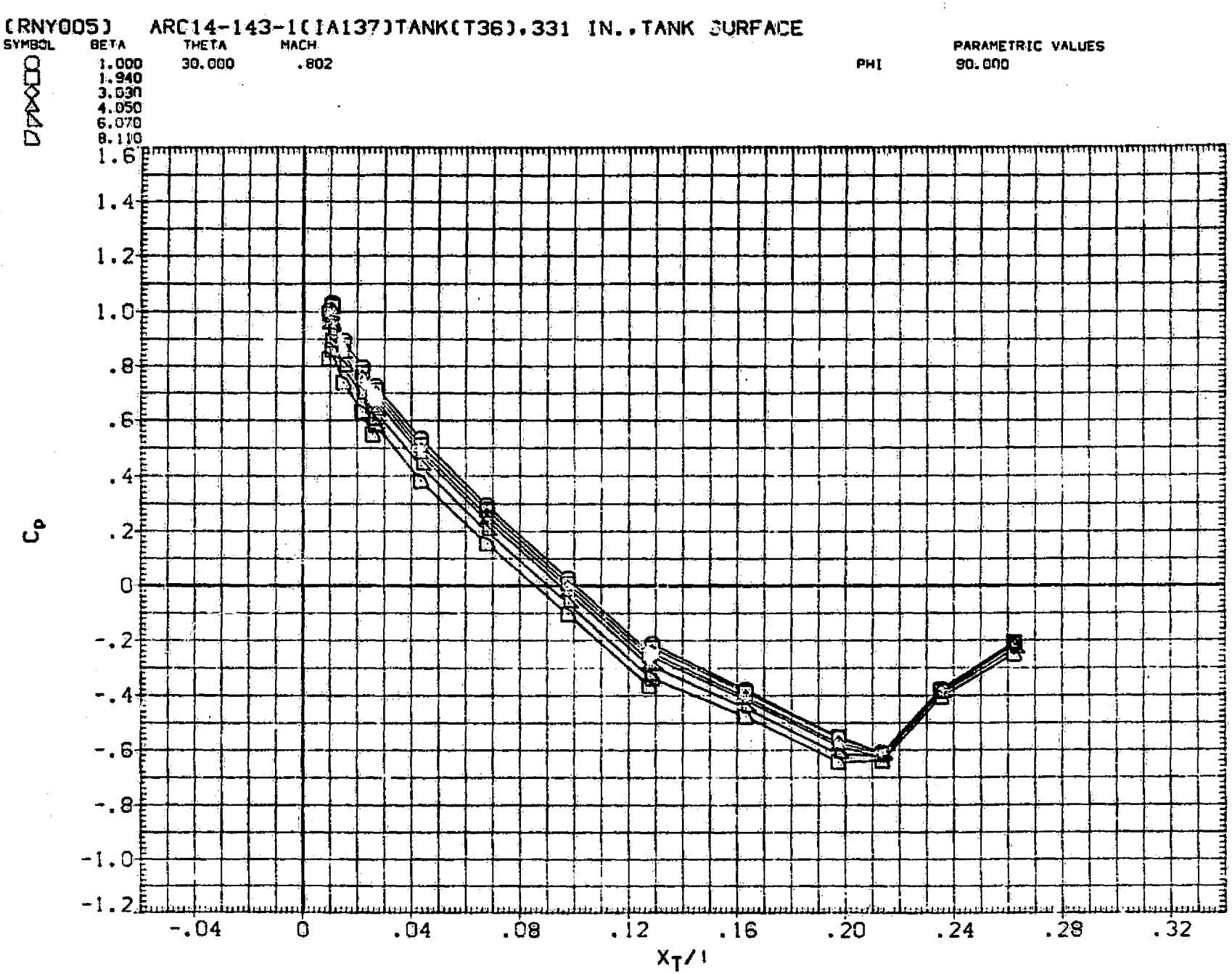


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=9C DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE

SYMBOL	BETA	THETA	MACH
○	1.300	30.000	.909
□	2.180		
◇	3.150		
△	4.150		
▽	6.210		
◁	8.230		

PARAMETRIC VALUES

PHI 90.000

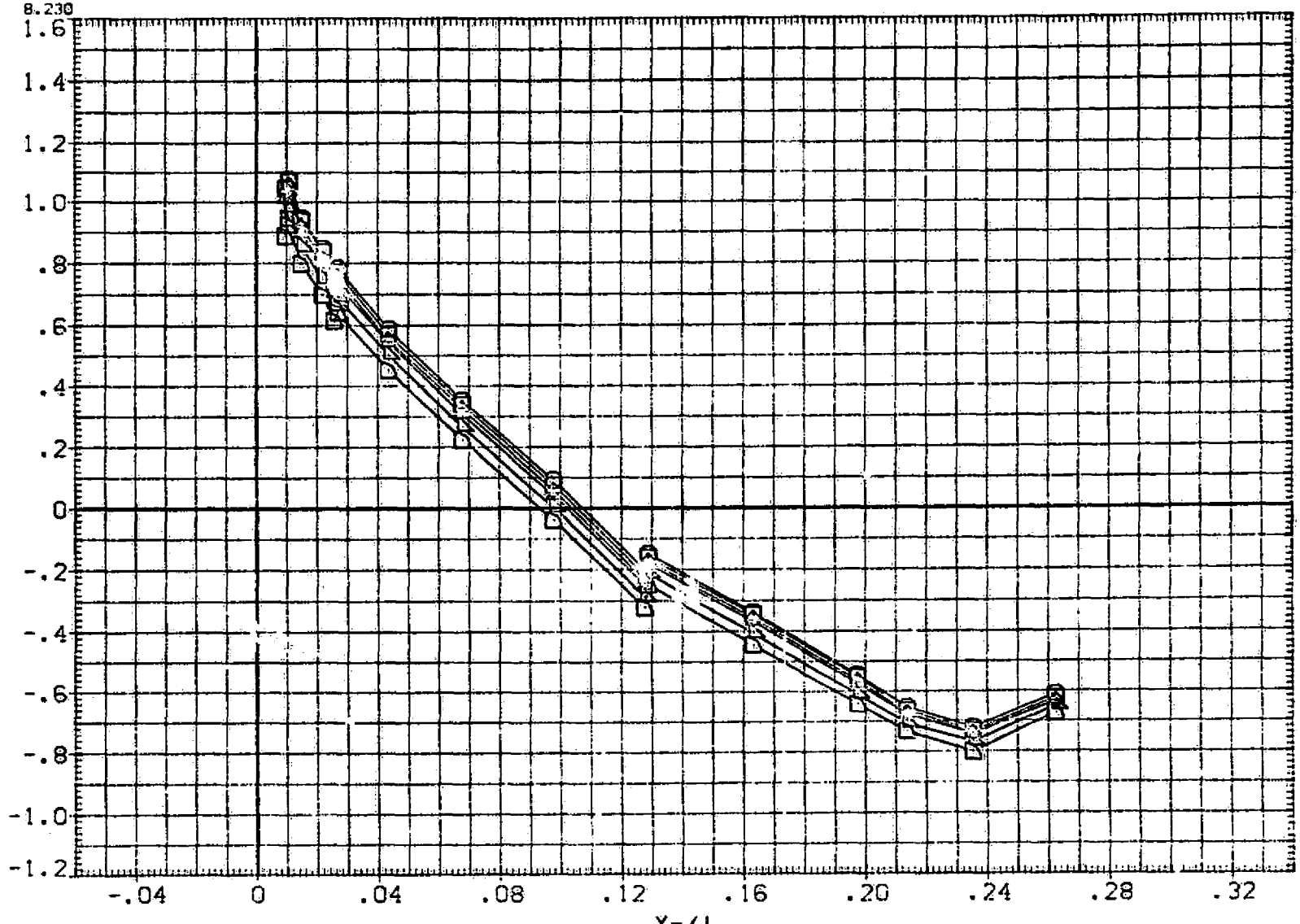


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

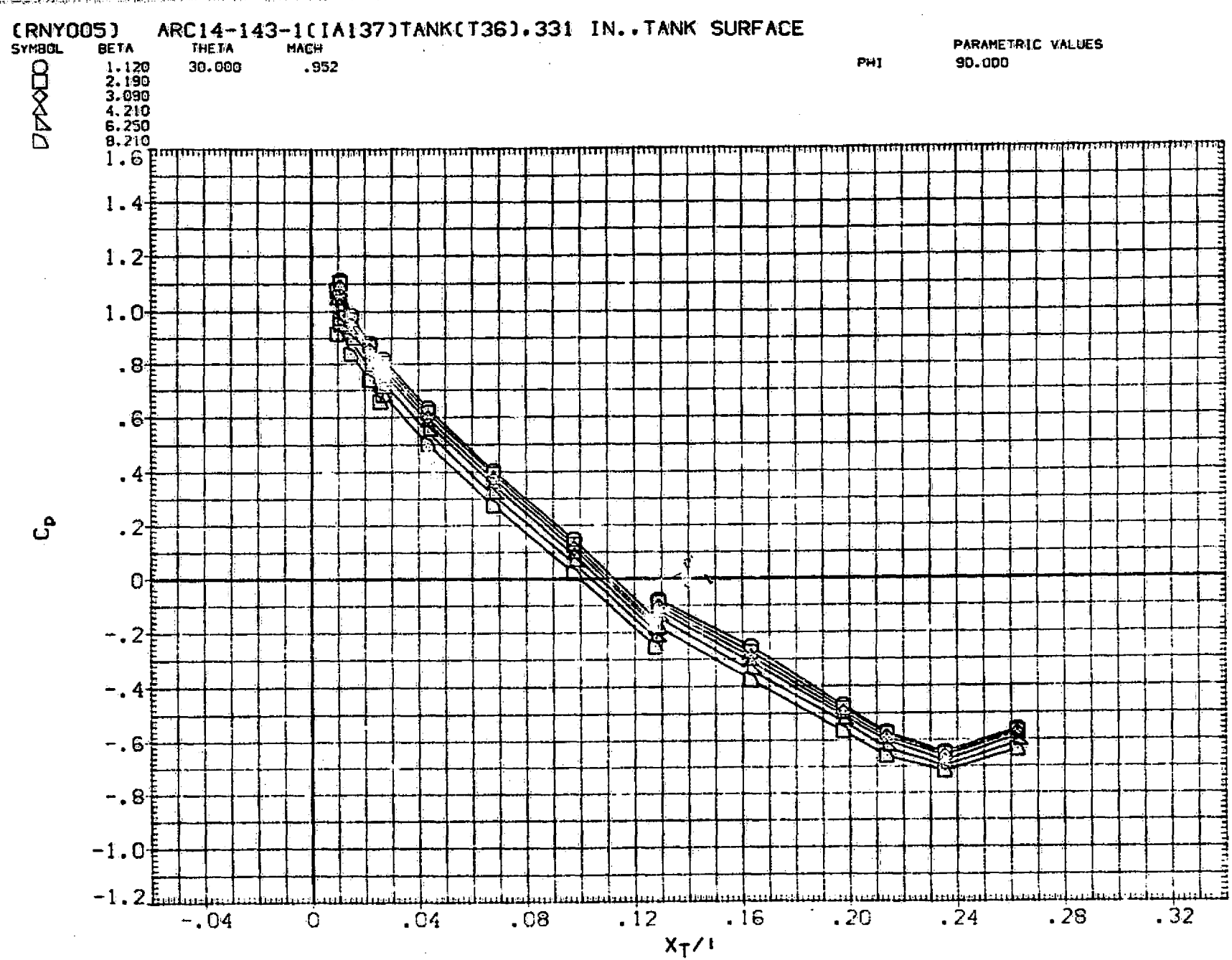


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY005) ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
	1.350	30.000	1.049	PHI 90.000
	2.270			
	3.300			
	4.270			
	6.410			
	8.310			

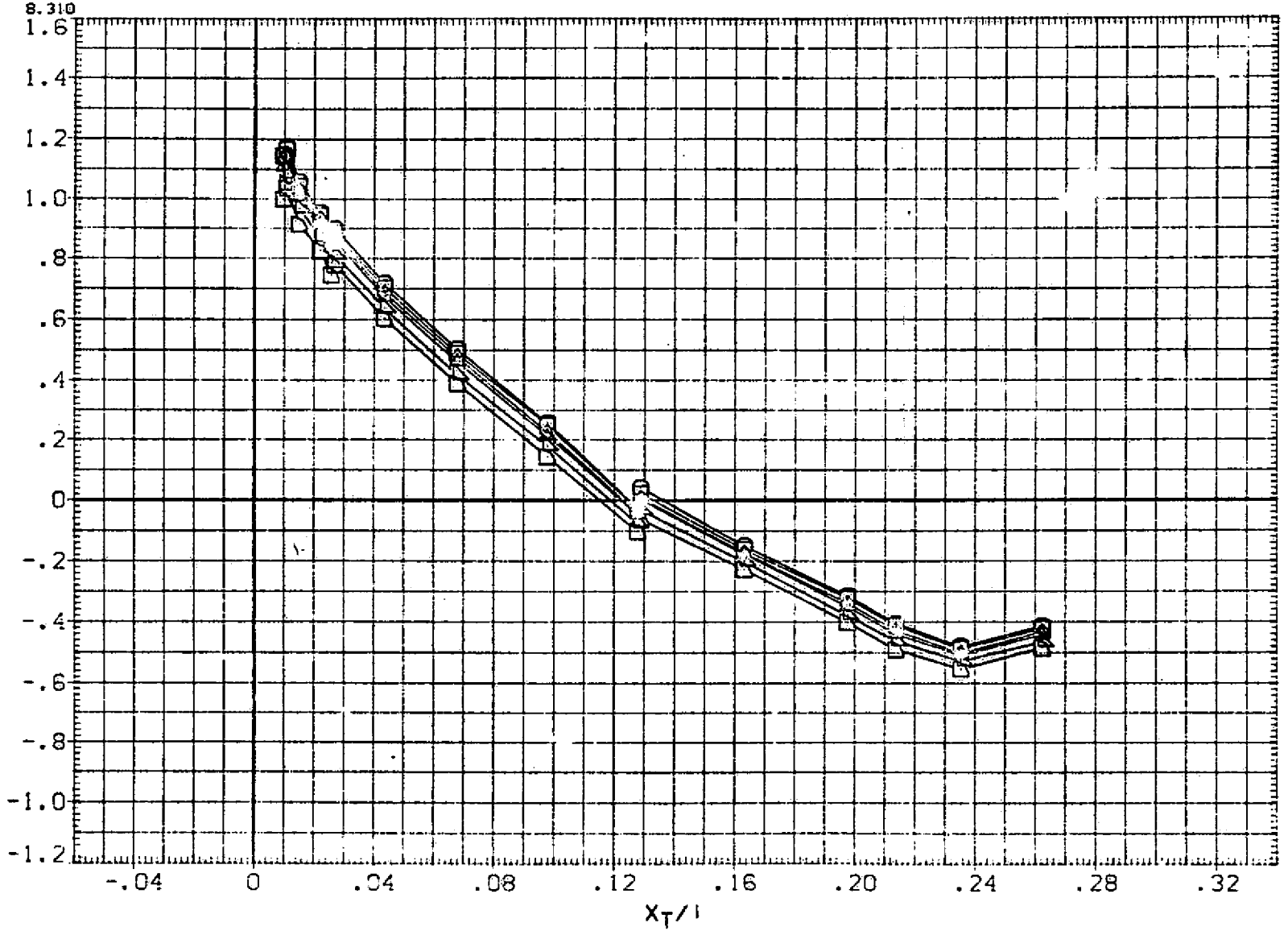


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

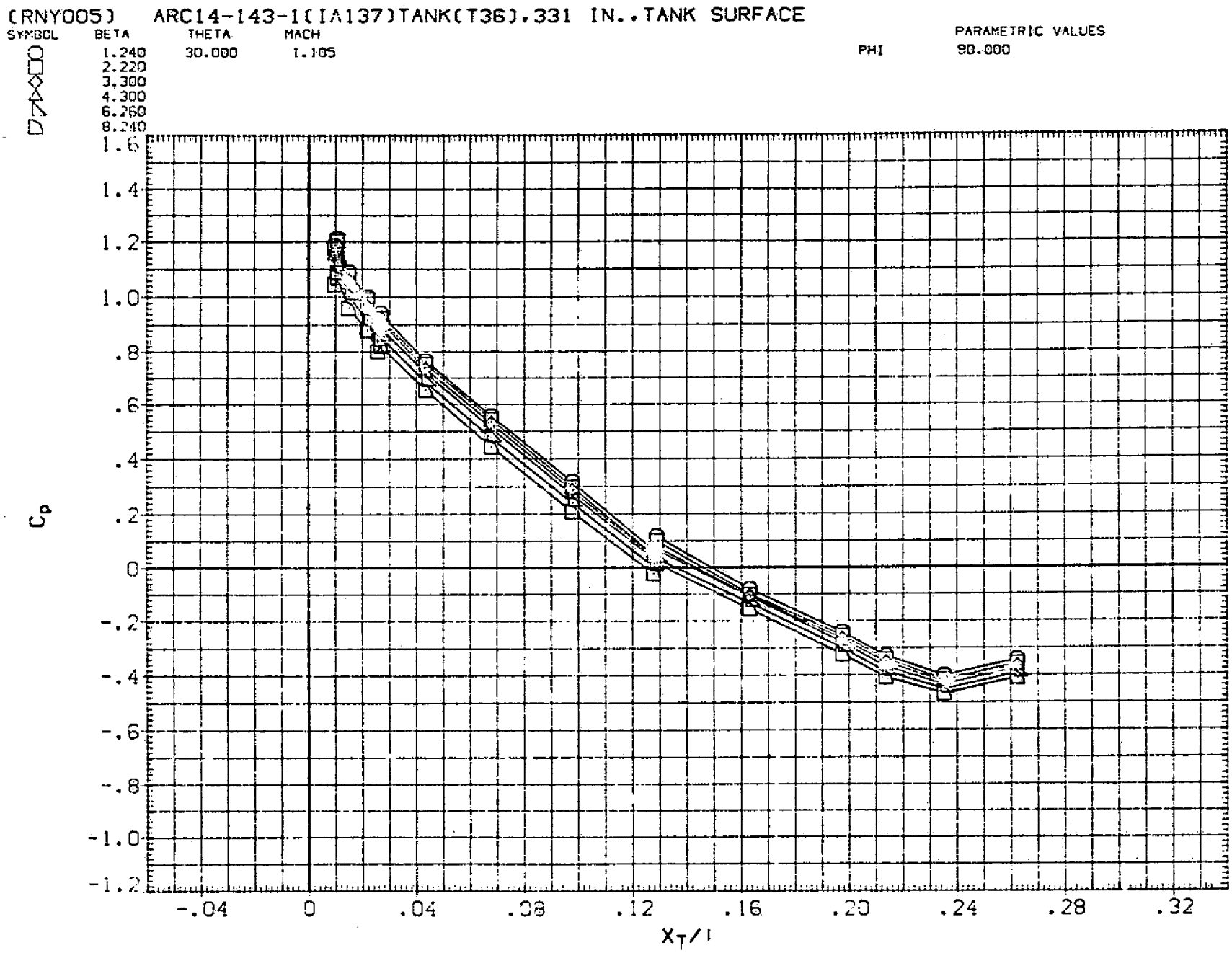


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	BETA	THETA	MACH
	-8.210	30.00°	.550
	-6.130		
	-4.140		
	-3.110		
	-2.060		
	-1.080		

PARAMETRIC VALUES
PHI 90.000

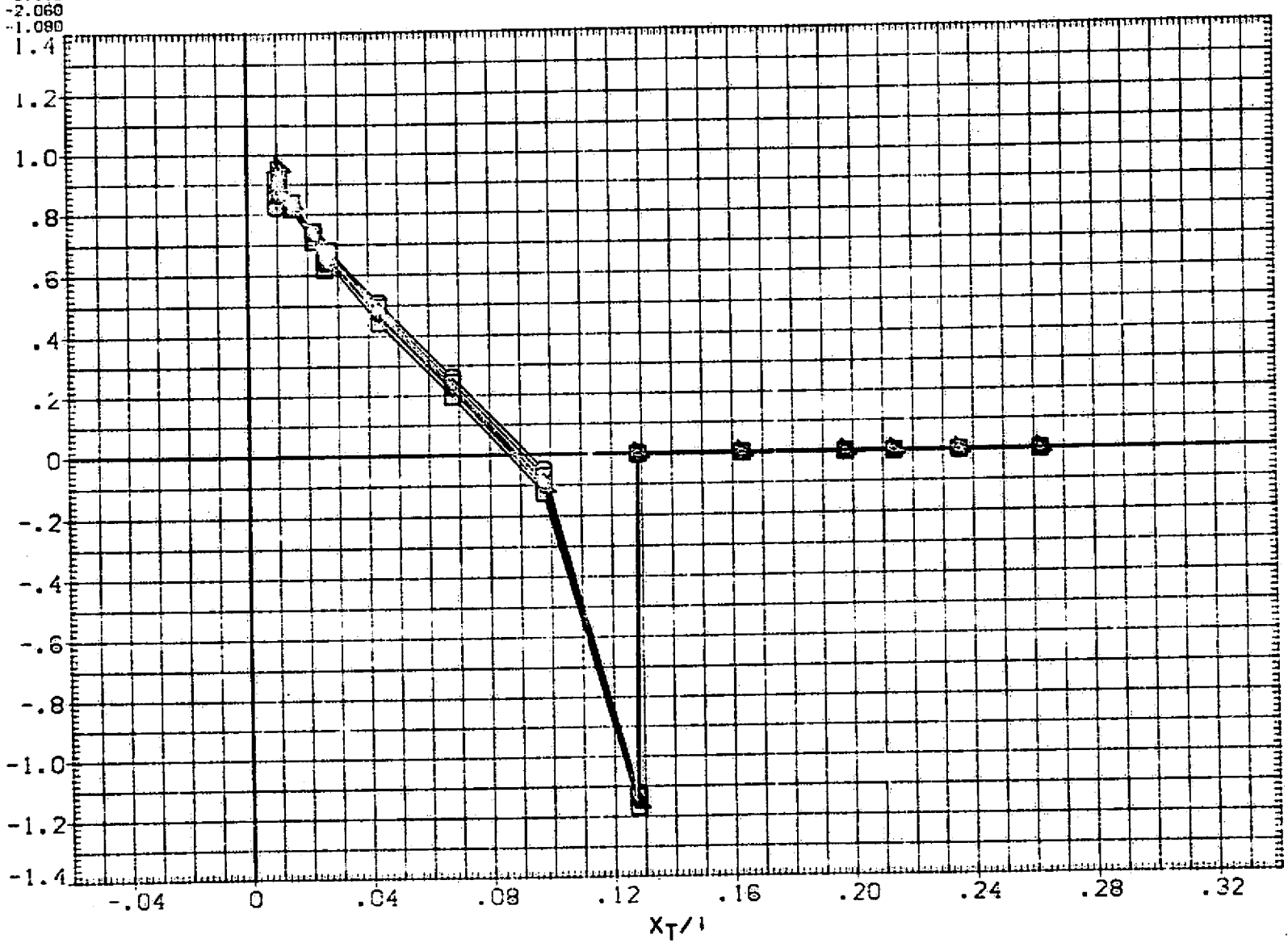


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

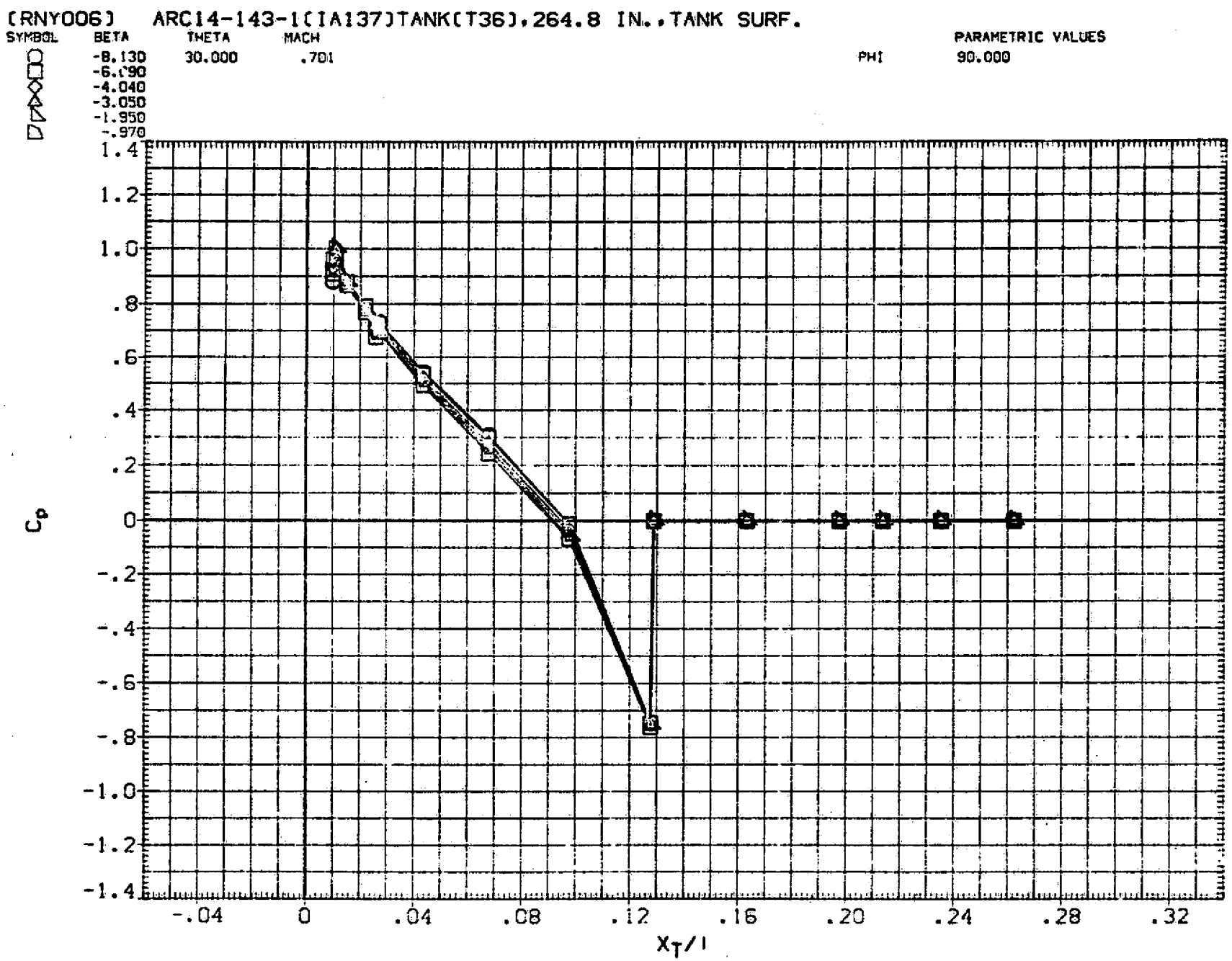


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
	-8.340	30.000	.805	PHI 90.000
	-6.160			
	-4.140			
	-3.160			
	-2.030			
	-1.080			

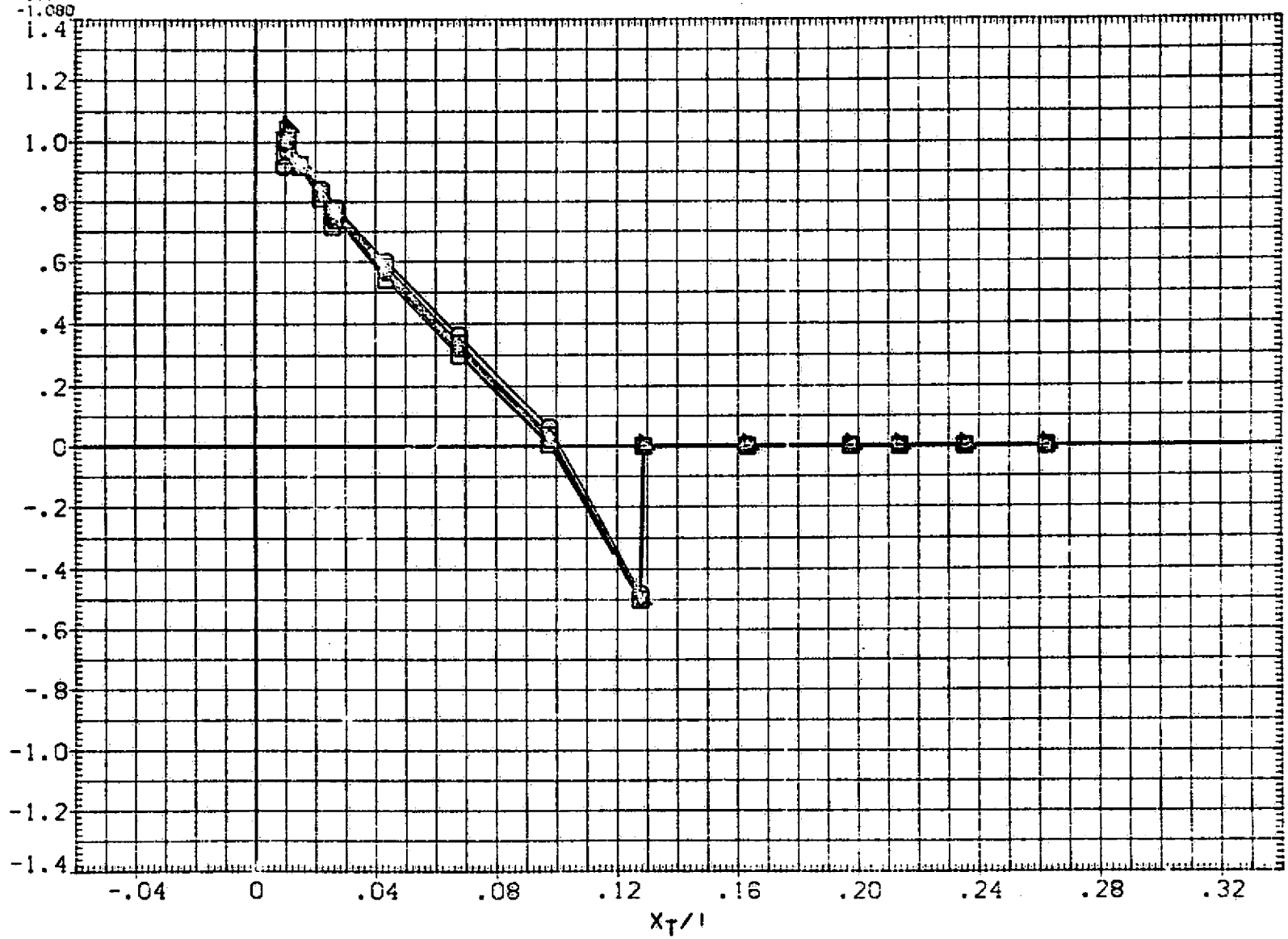


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	BETA	THETA	MACH		PARAMETRIC VALUES
	-8.110	30.000	.901	PHI	90.000
	-6.100				
	-4.050				
	-2.980				
	-1.930				
	-.960				

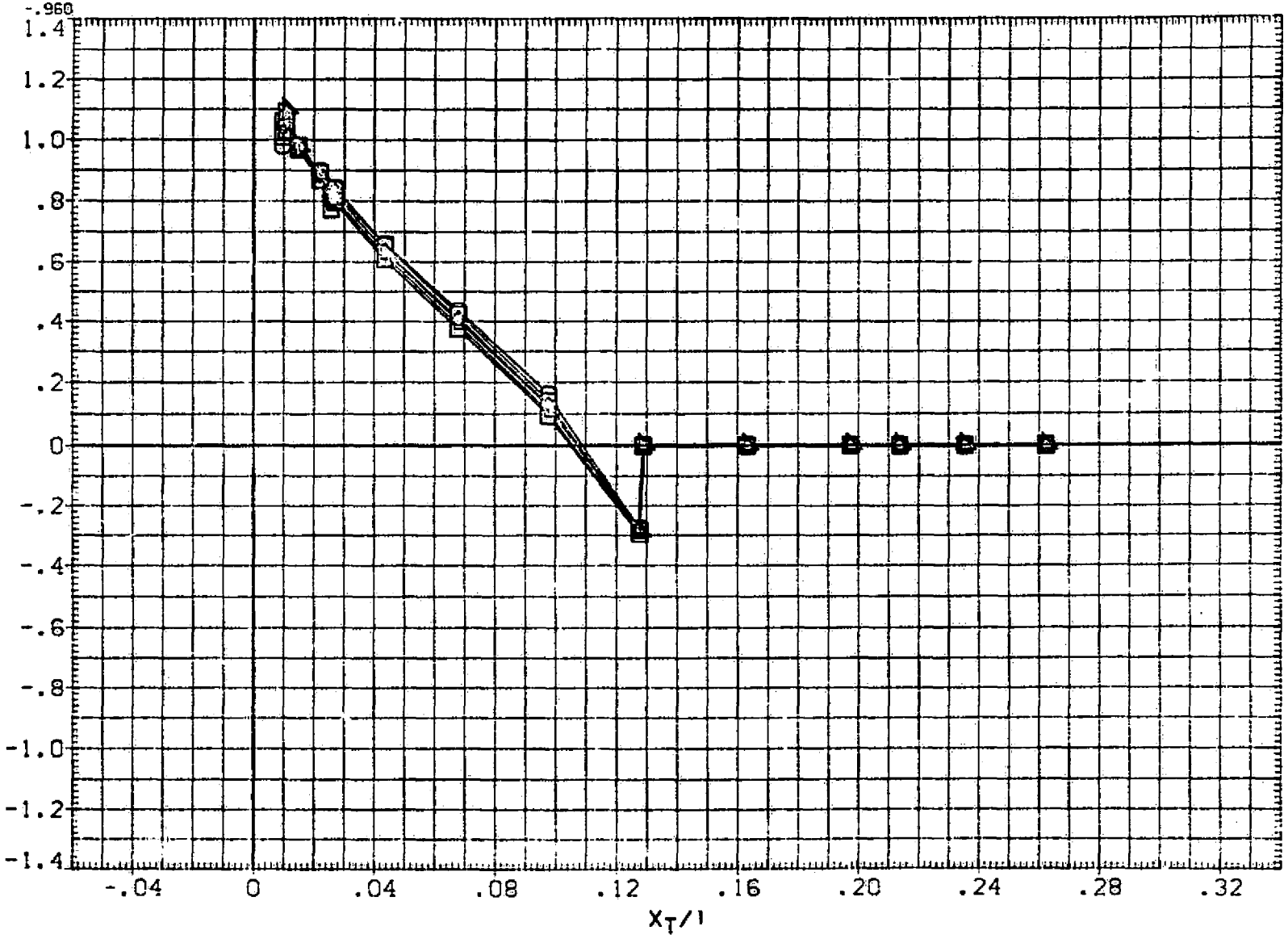


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	BETA	THETA	MACH
□	-8.060	30.000	.952
◇	-6.060		
△	-3.980		
▽	-3.000		
○	-1.960		
⊠	-.950		

PARAMETRIC VALUES
PHI 90.000

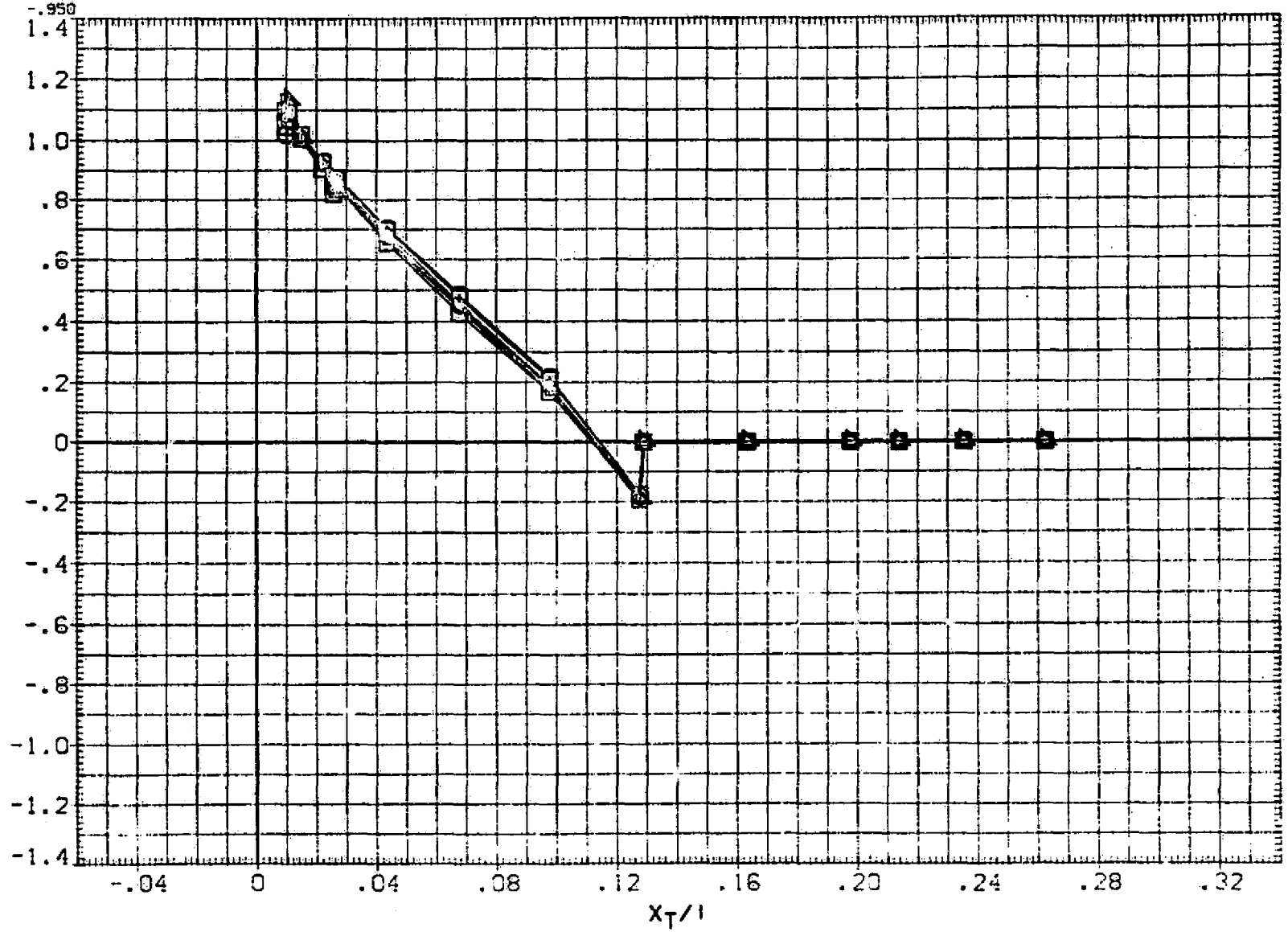


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1([A137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	BETA	THETA	MACH
□	-8.120	30.000	1.102
◇	-6.050		
△	-3.780		
▽	-3.020		
○	-1.920		
⊲	-.920		

PARAMETRIC VALUES
PHI 90.000

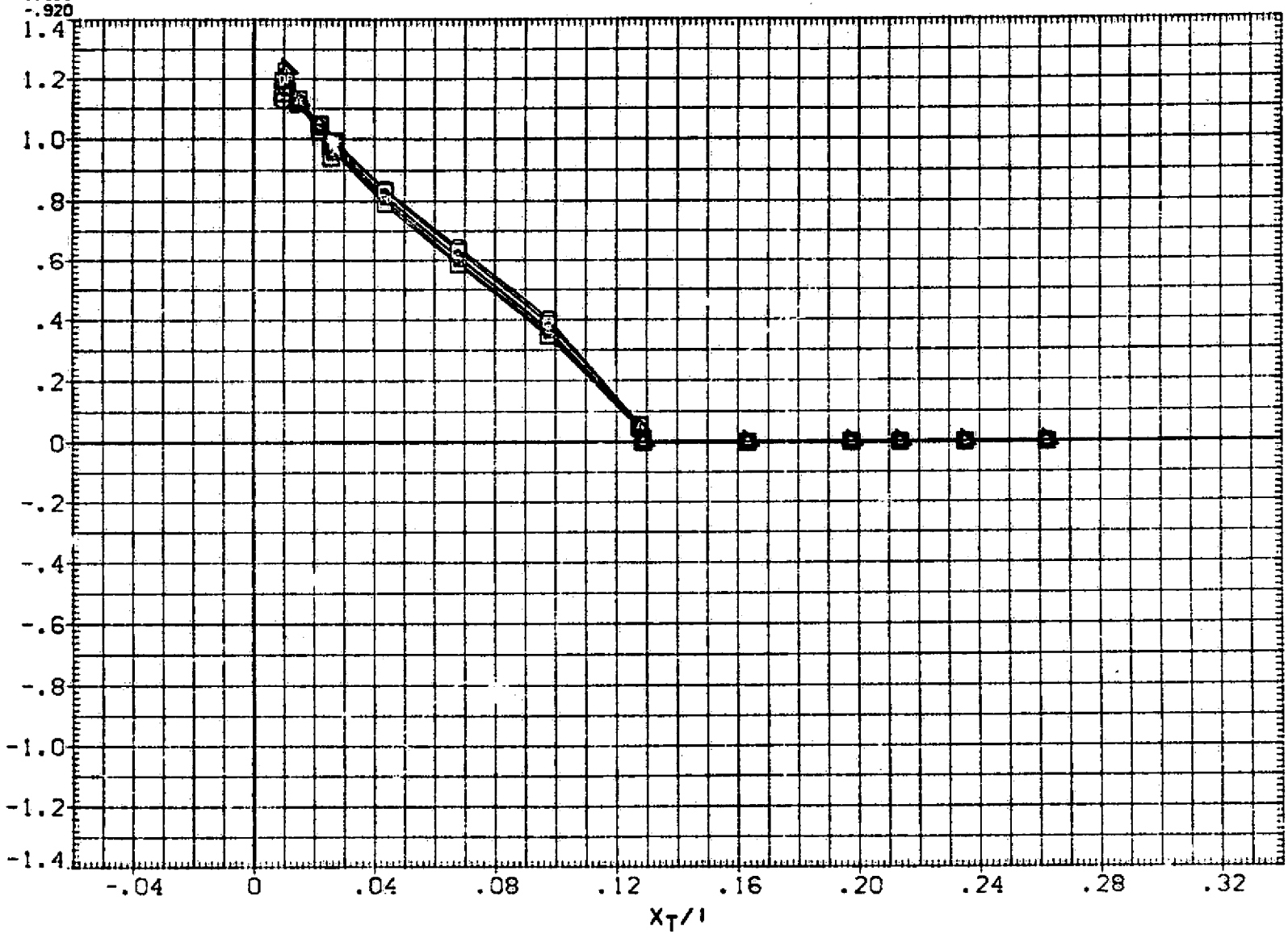


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	BETA	THETA	MACH
	-2.060	30.000	.550
	-1.080		
	.000		
	1.010		
	2.040		

PARAMETRIC VALUES

PHI 90.000

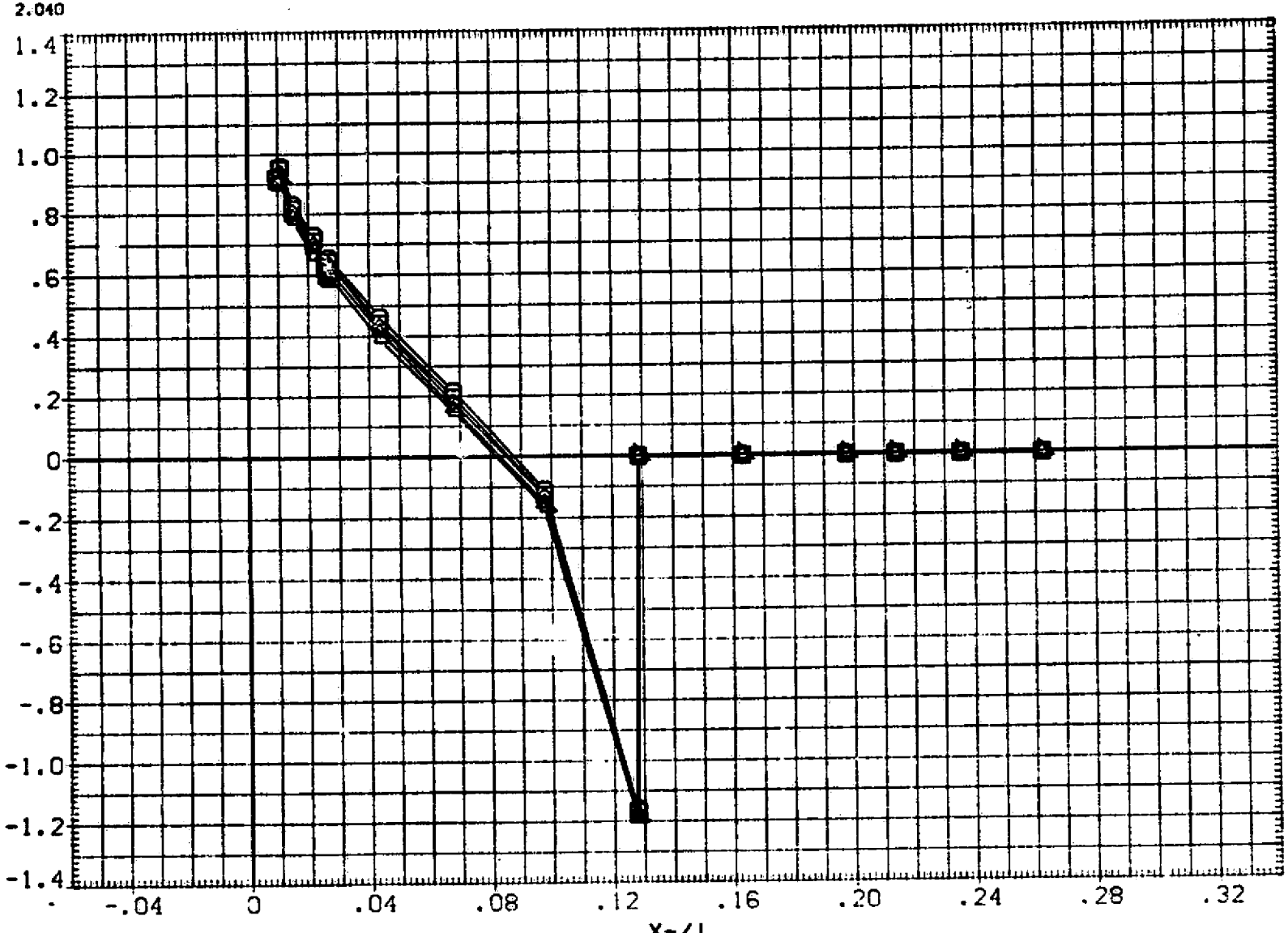


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	BETA	THETA	MACH
□	-1.950	30.000	.701
▽	-.970		
◇	.060		
△	1.090		
⊿	2.190		

PARAMETRIC VALUES

PHI 90.000

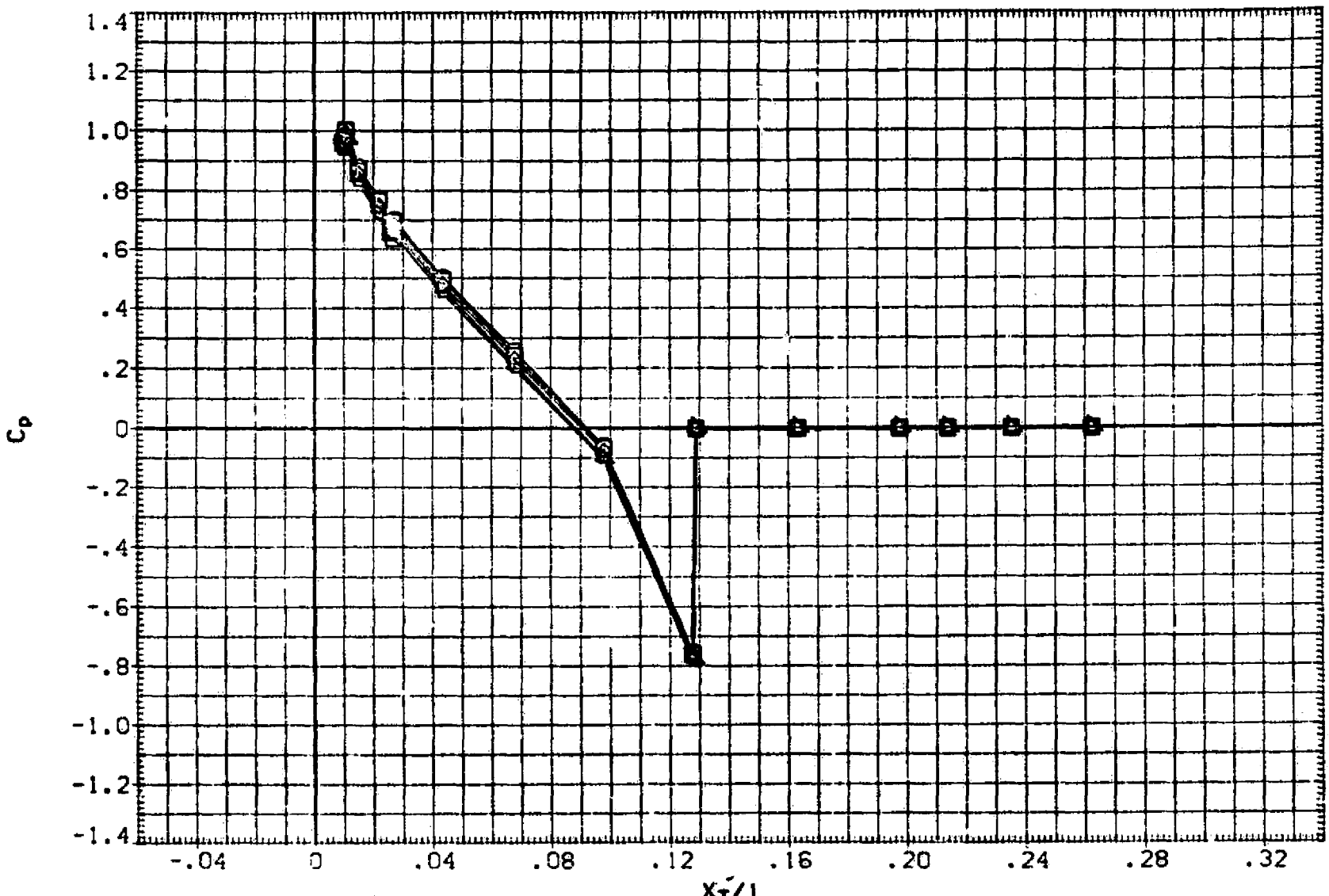


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
□	-2.030	30.000	.805	PHI 90.000
◇	-1.080			
△	-.050			
▽	.980			
◁	1.990			



FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
○	-1.930	30.000	.901	PHI 90.000
□	-.960			
◇	.100			
△	1.110			
◁	2.150			

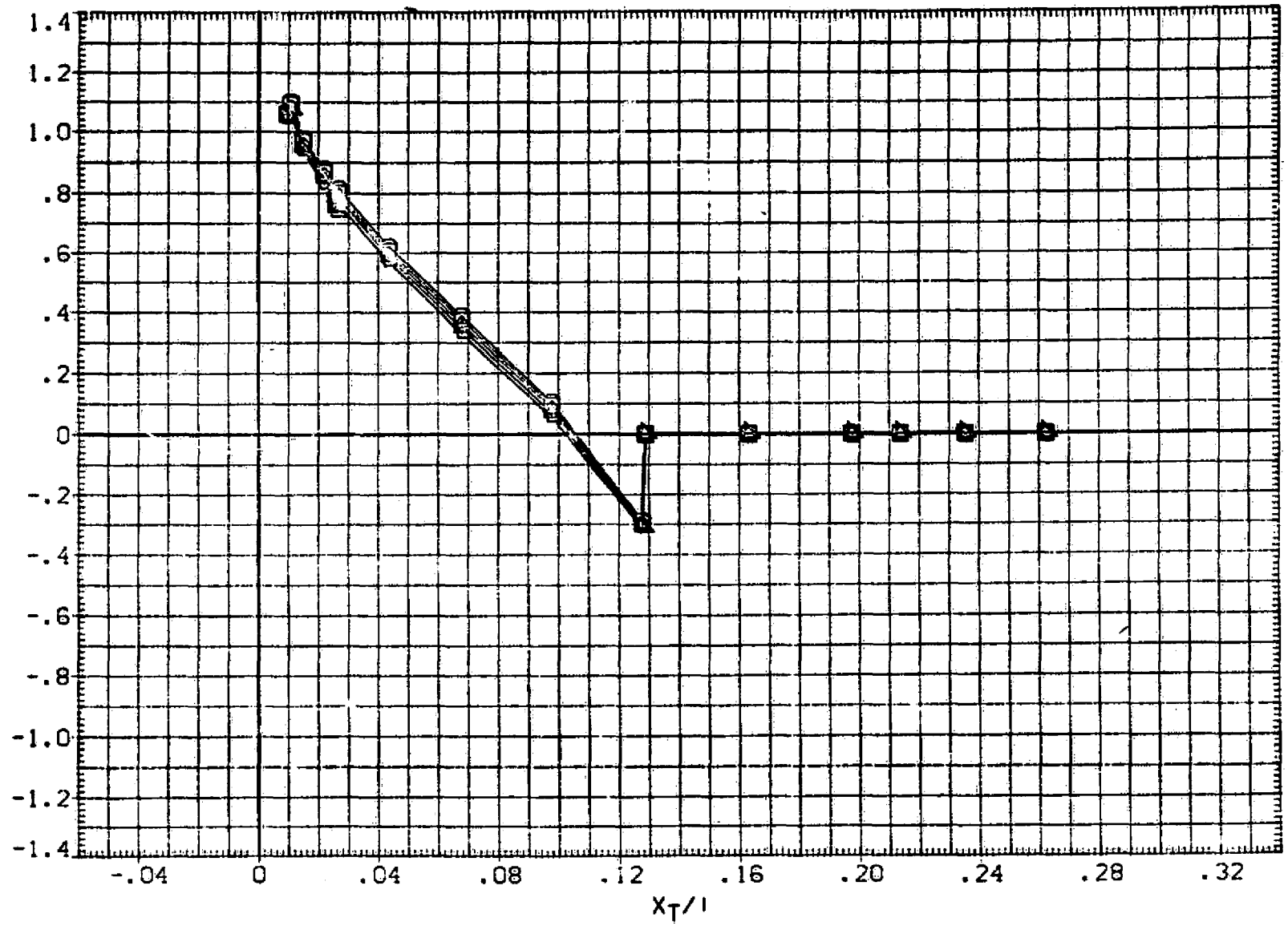


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	BETA	THETA	MACH
□	-1.960	30.000	.952
⊠	-.950		
◇	.120		
◁	1.090		
	2.110		

PARAMETRIC VALUES

PHI 90.000

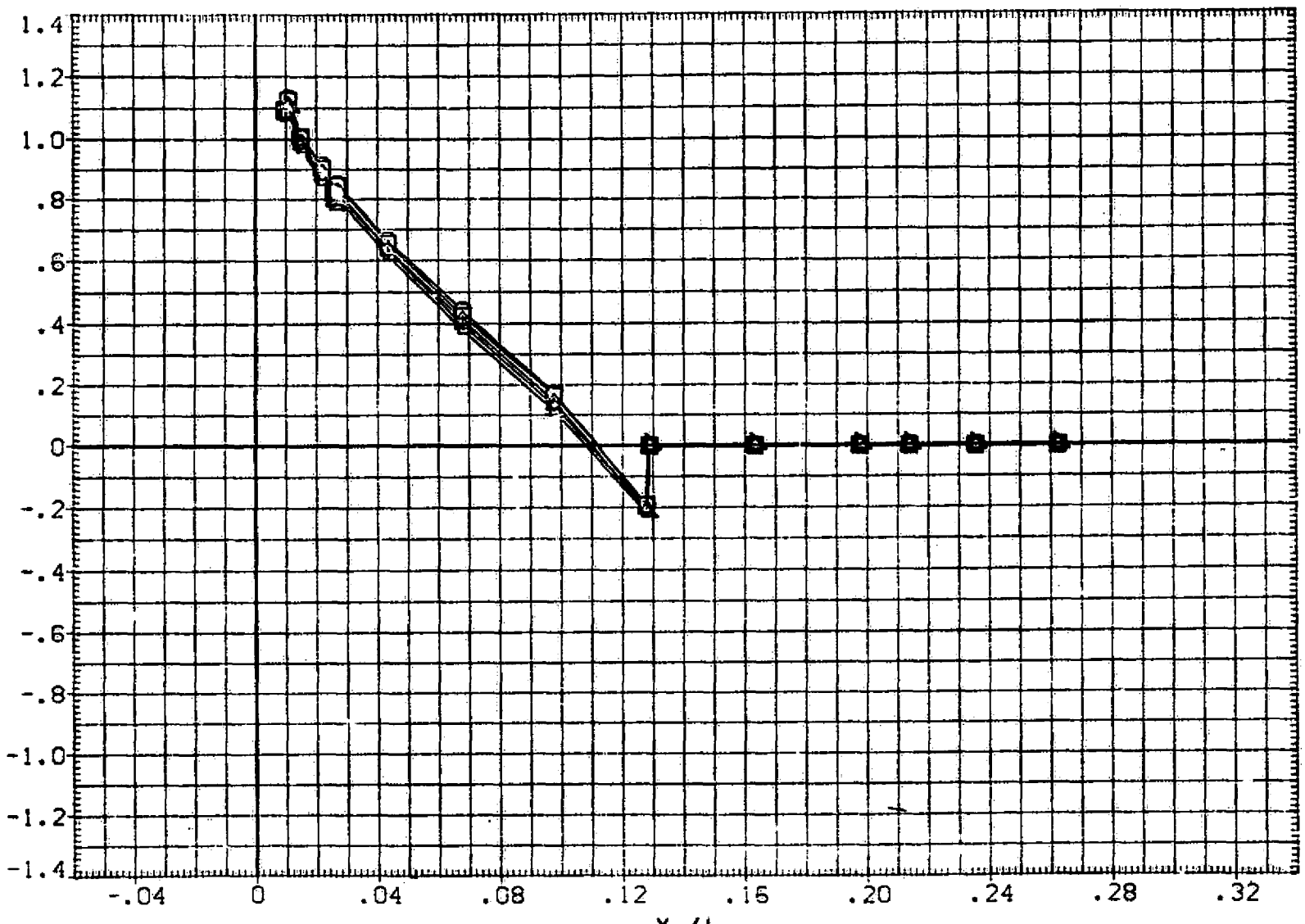


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	BETA	THETA	MACH	PARAMETRIC VALUES
◇	-1.920	30.000	1.102	PHI 90.000
□	-.920			
△	.110			
▽	1.150			
◁	2.160			

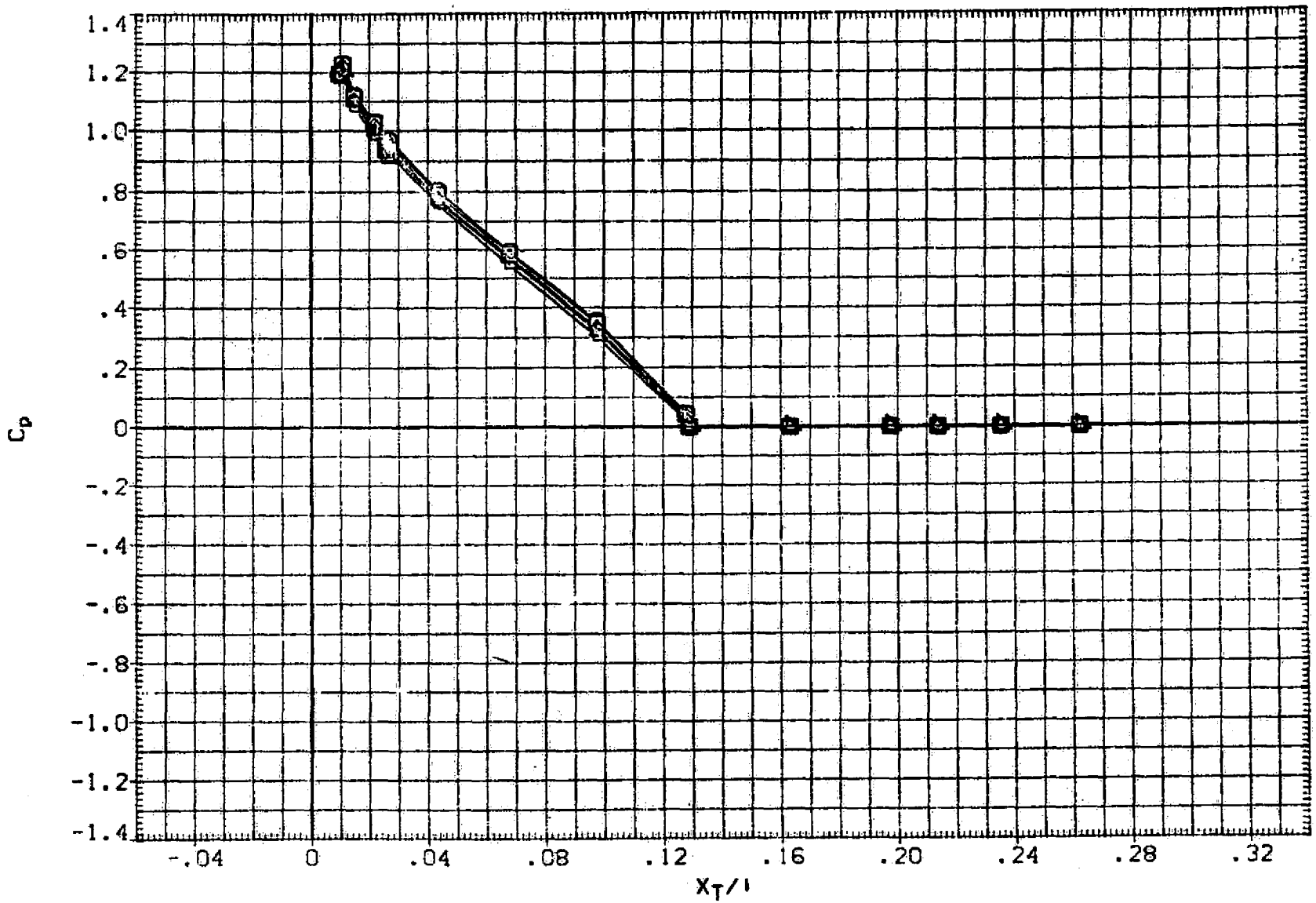


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

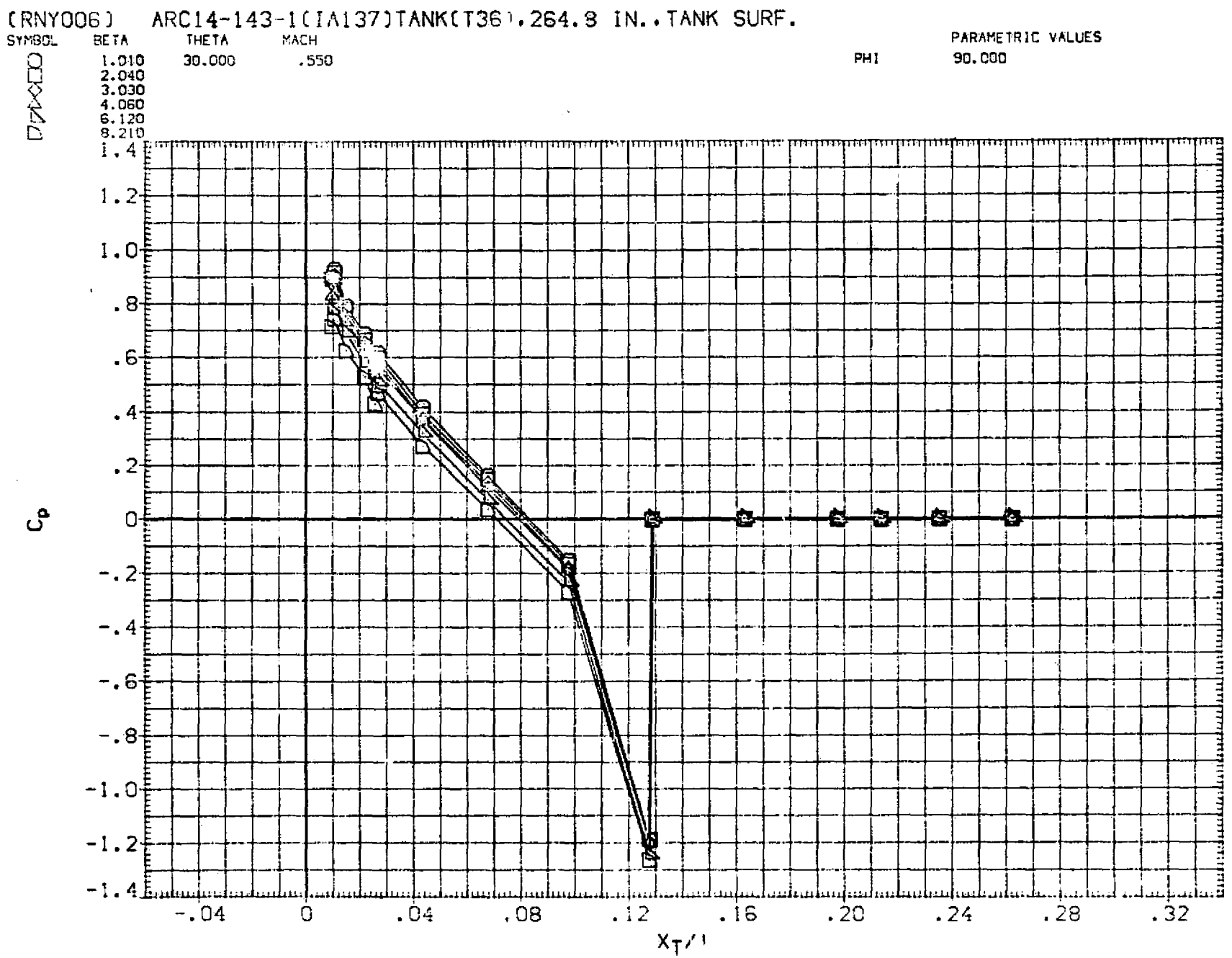


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

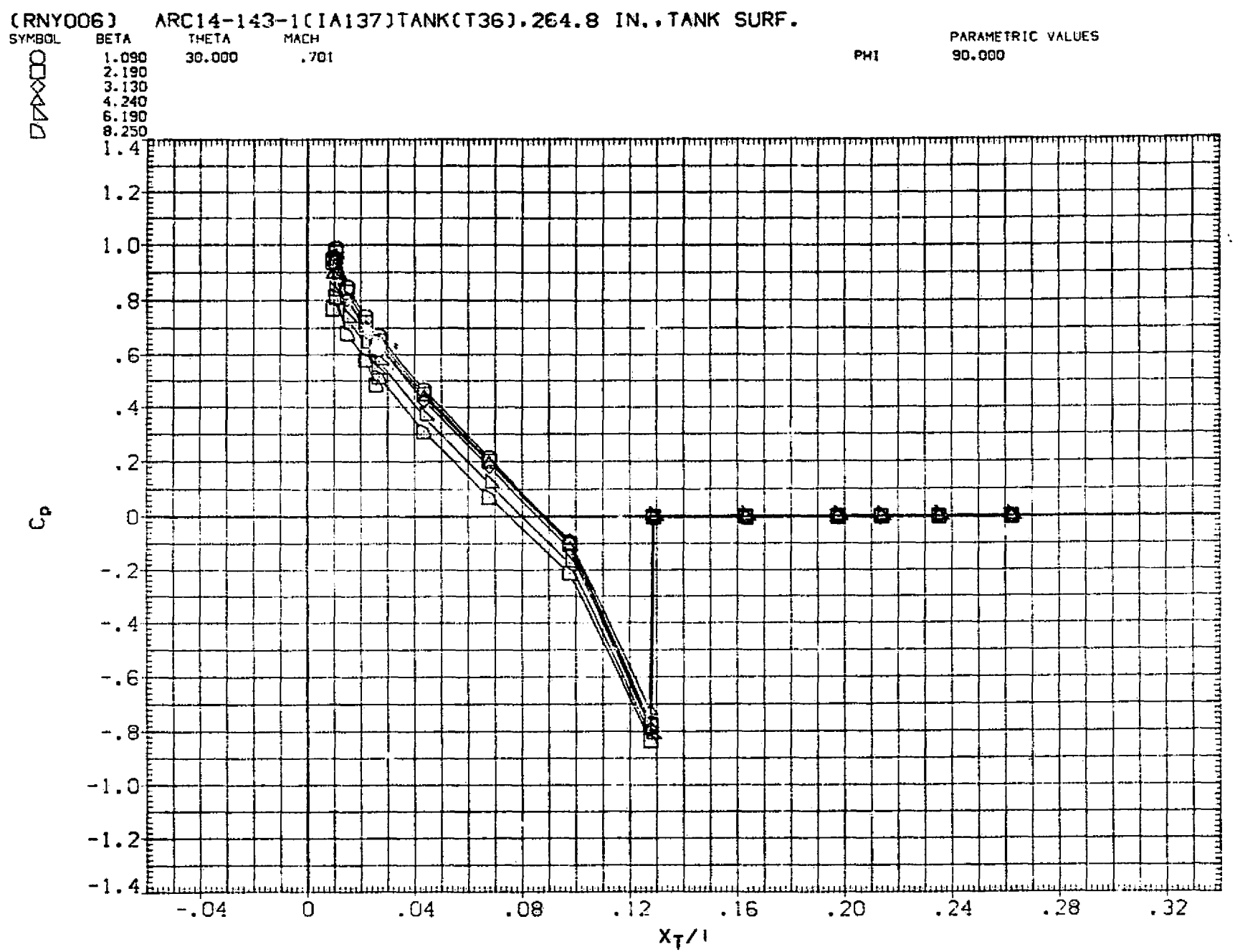


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

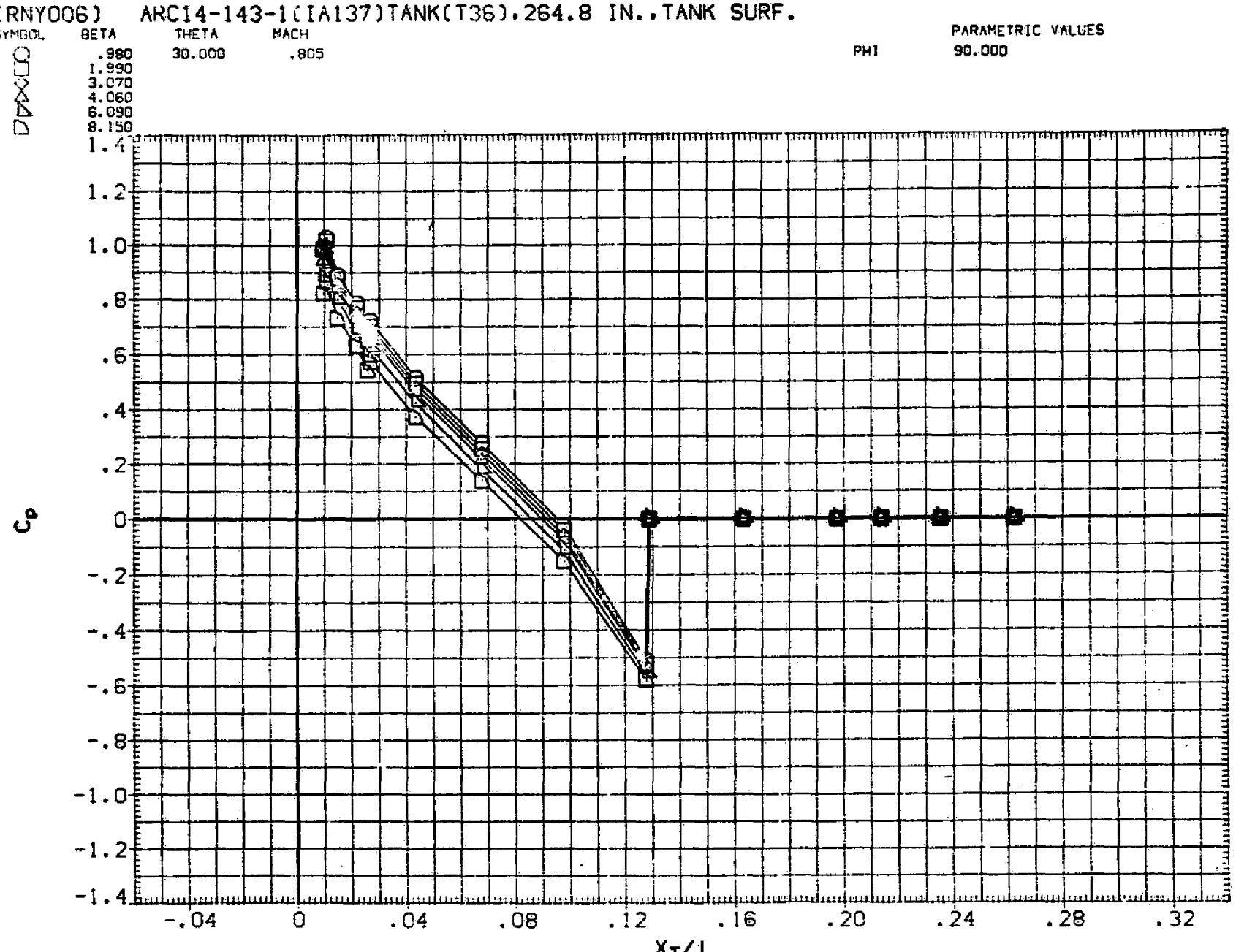


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	BETA	THETA	MACH
□	1.110	30.000	.901
◇	2.150		
△	3.160		
▽	4.170		
	6.200		
	8.280		

PARAMETRIC VALUES
PHI 90.000

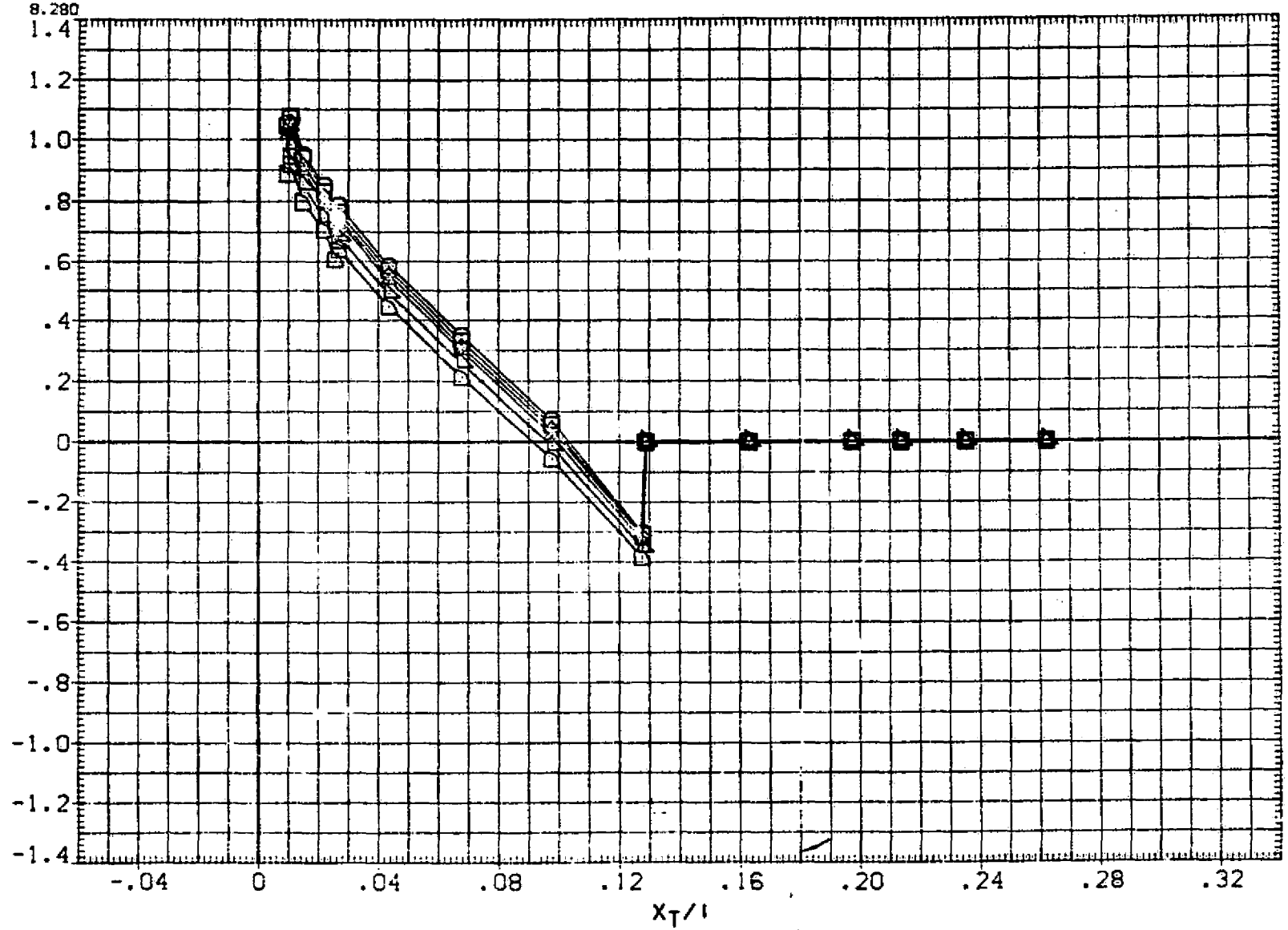


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS. PHI=90 DEGREES

(RNY006) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	BETA	THETA	MACH
○	1.090	30.000	.952
□	2.110		
◇	3.070		
△	4.190		
▽	6.230		
◁	8.290		

PARAMETRIC VALUES

PHI 90.000

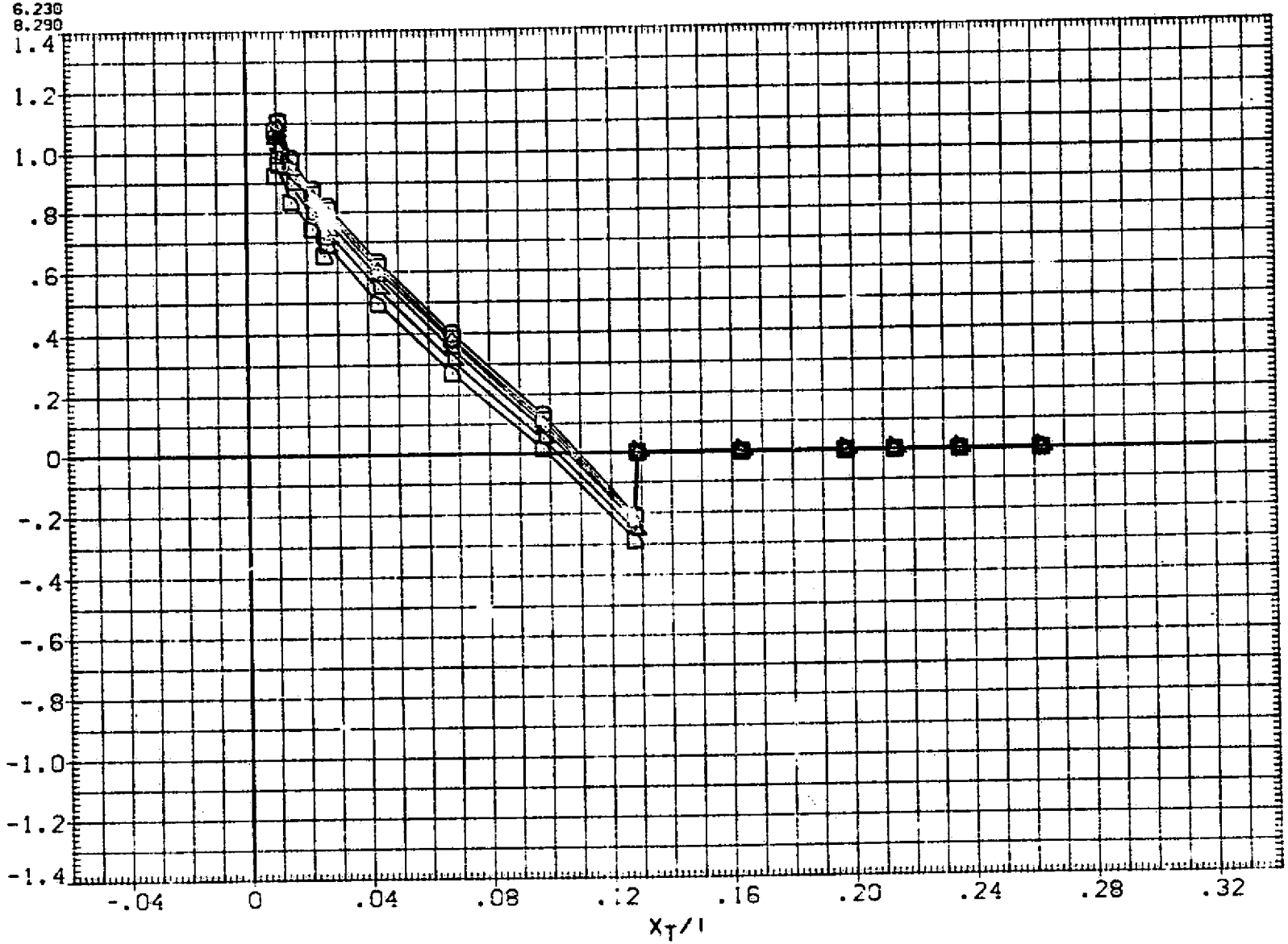


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

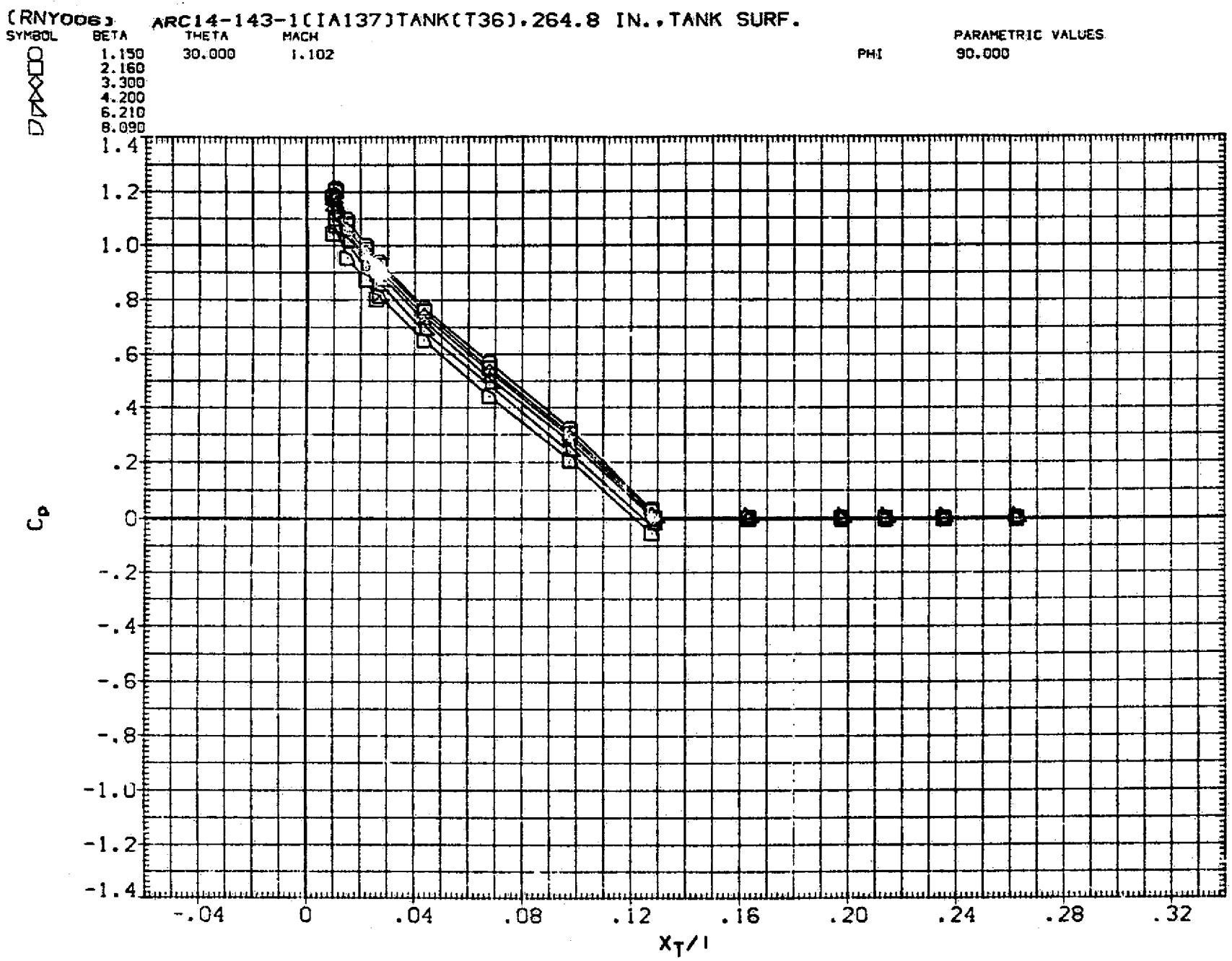


FIG.8 TANK SURFACE PRESSURE COEFFICIENTS, PHI=90 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH
D	-5.830	30.000	.550
◇	-4.390		
□	-2.890		
▽	-2.190		
⊿	-1.470		
○	-.770		

PARAMETRIC VALUES

PHI 45.000

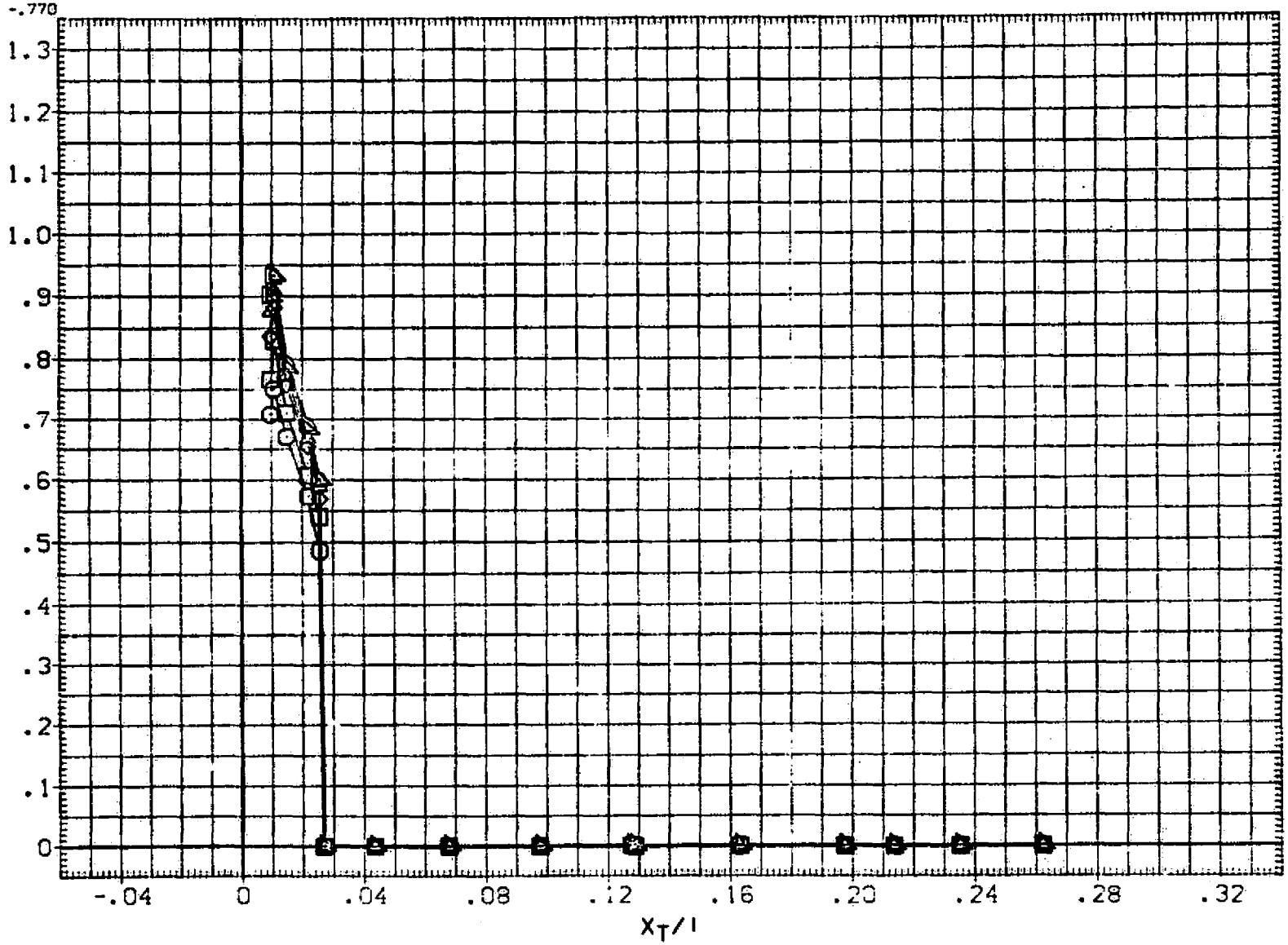


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
	-5.760	30.000	.702	PHI	45.000
	-4.330				
	-2.850				
	-2.140				
	-1.400				
	-.720				

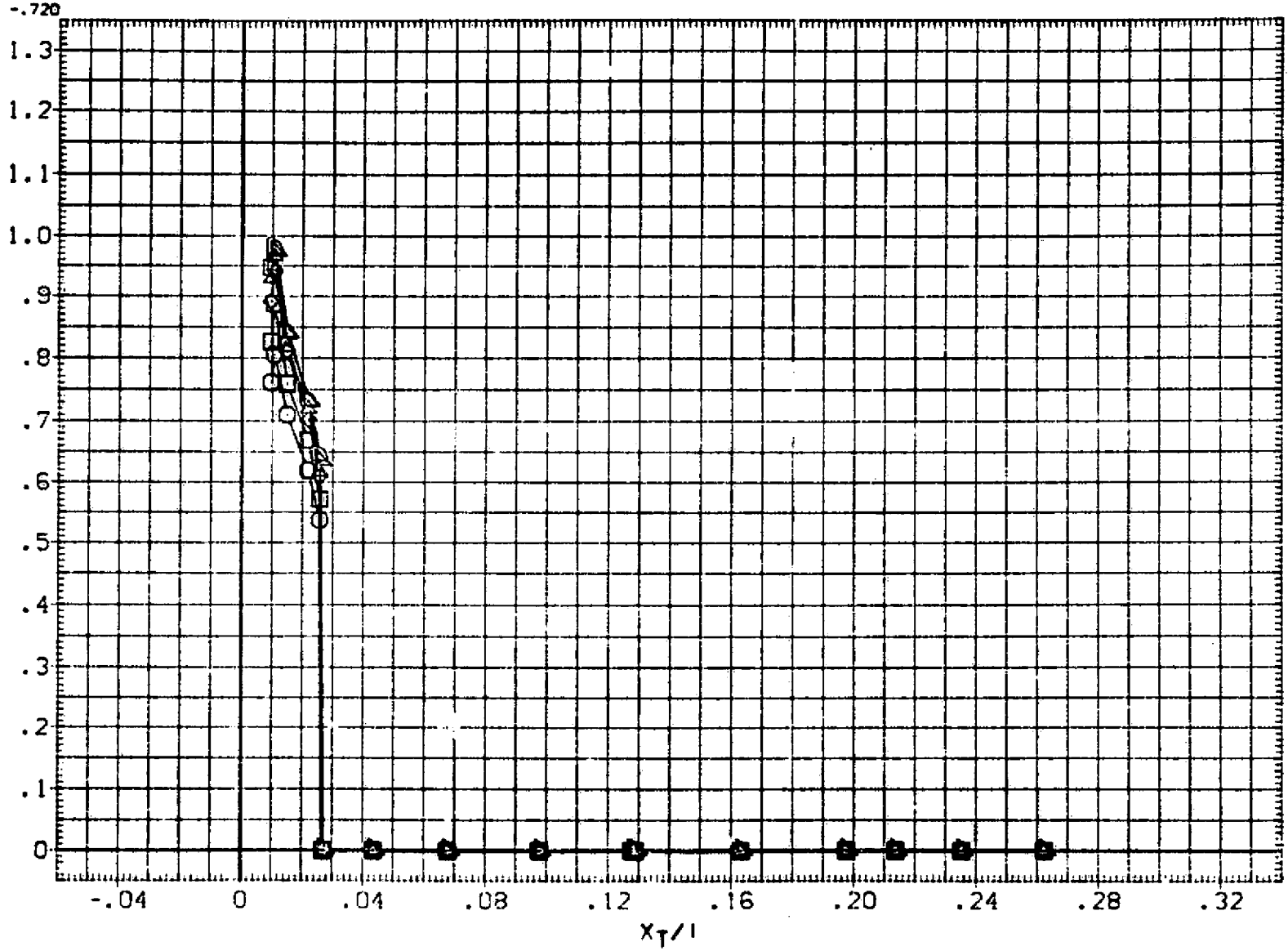


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
	-5.810	30.000	.802
	-4.370		
	-2.930		
	-2.230		
	-1.450		
	-.820		

PARAMETRIC VALUES

PHI 45.000

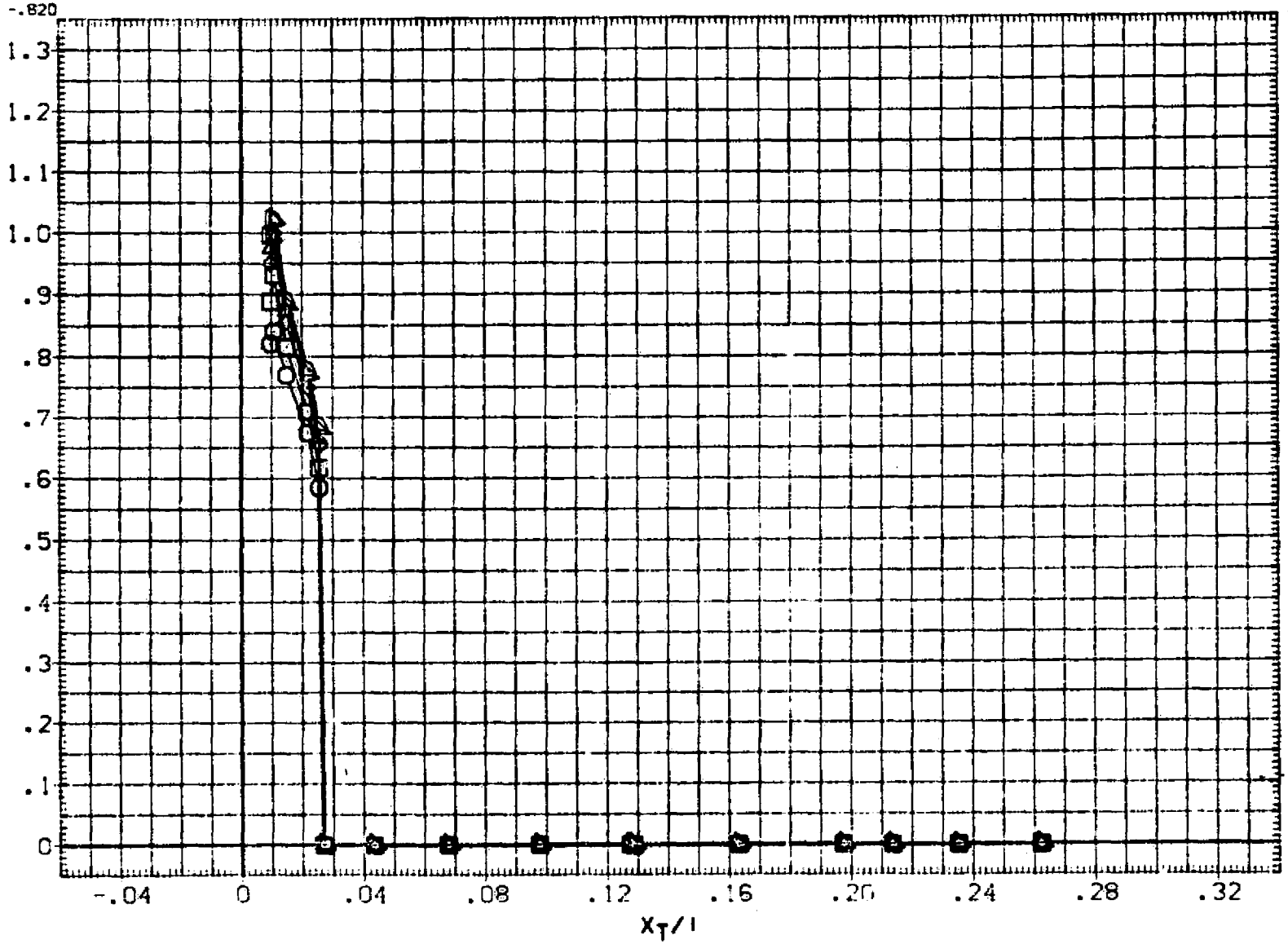


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

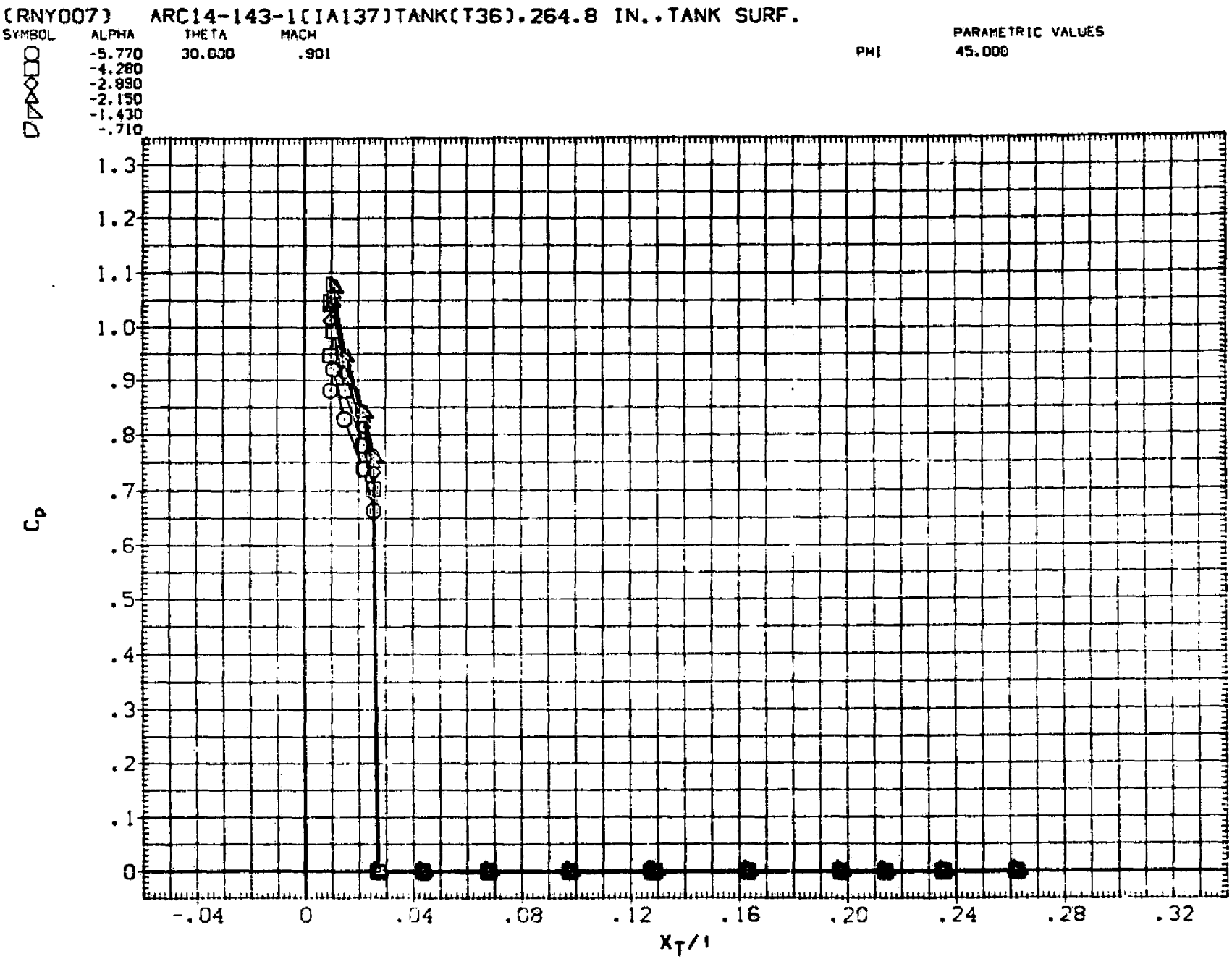


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
D	-5.730	30.000	.948	PHI 45.000
◇	-4.300			
□	-2.810			
◇	-2.130			
□	-1.430			
D	-.700			

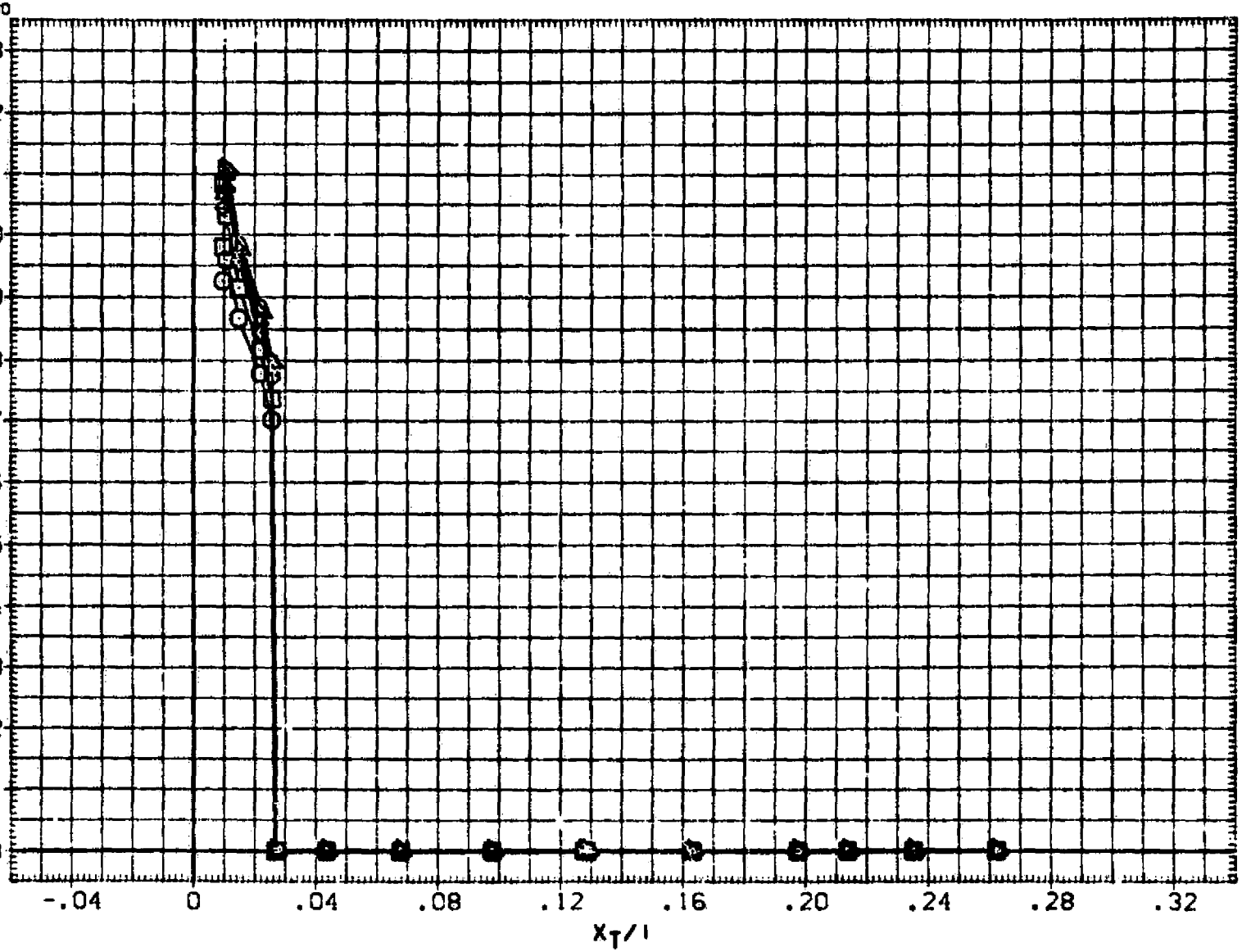


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-5.680	30.000	1.050	PHI 45.000
□	-4.250			
◇	-2.850			
△	-2.090			
▽	-1.360			
⊲	-.640			

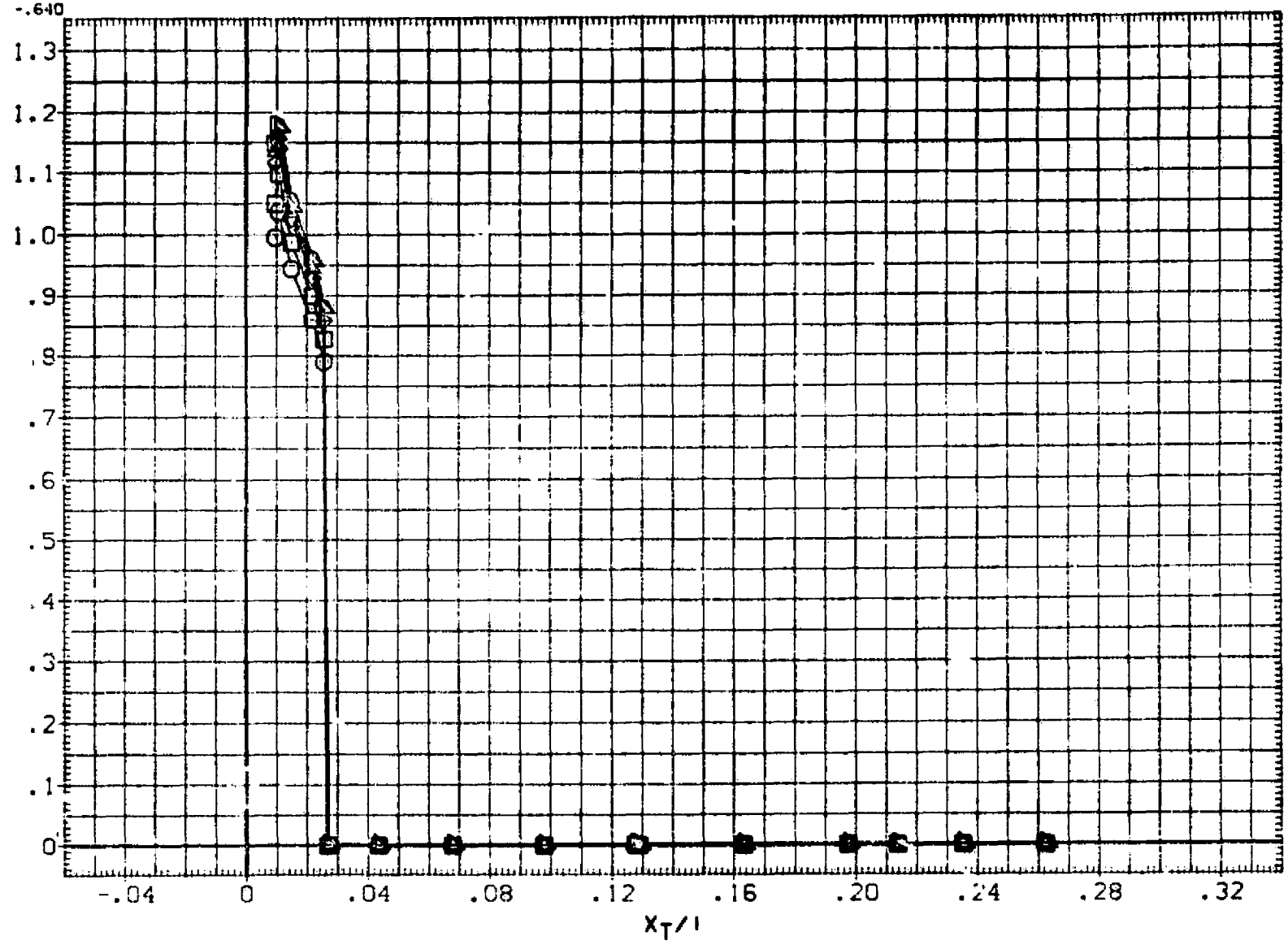


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC 14-143-1([A137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
▽	-5.710	30.000	1.099
◇	-4.280		
□	-2.790		
⊠	-2.080		
⊡	-1.330		
⊞	-.680		

PARAMETRIC VALUES

PHI 45.000

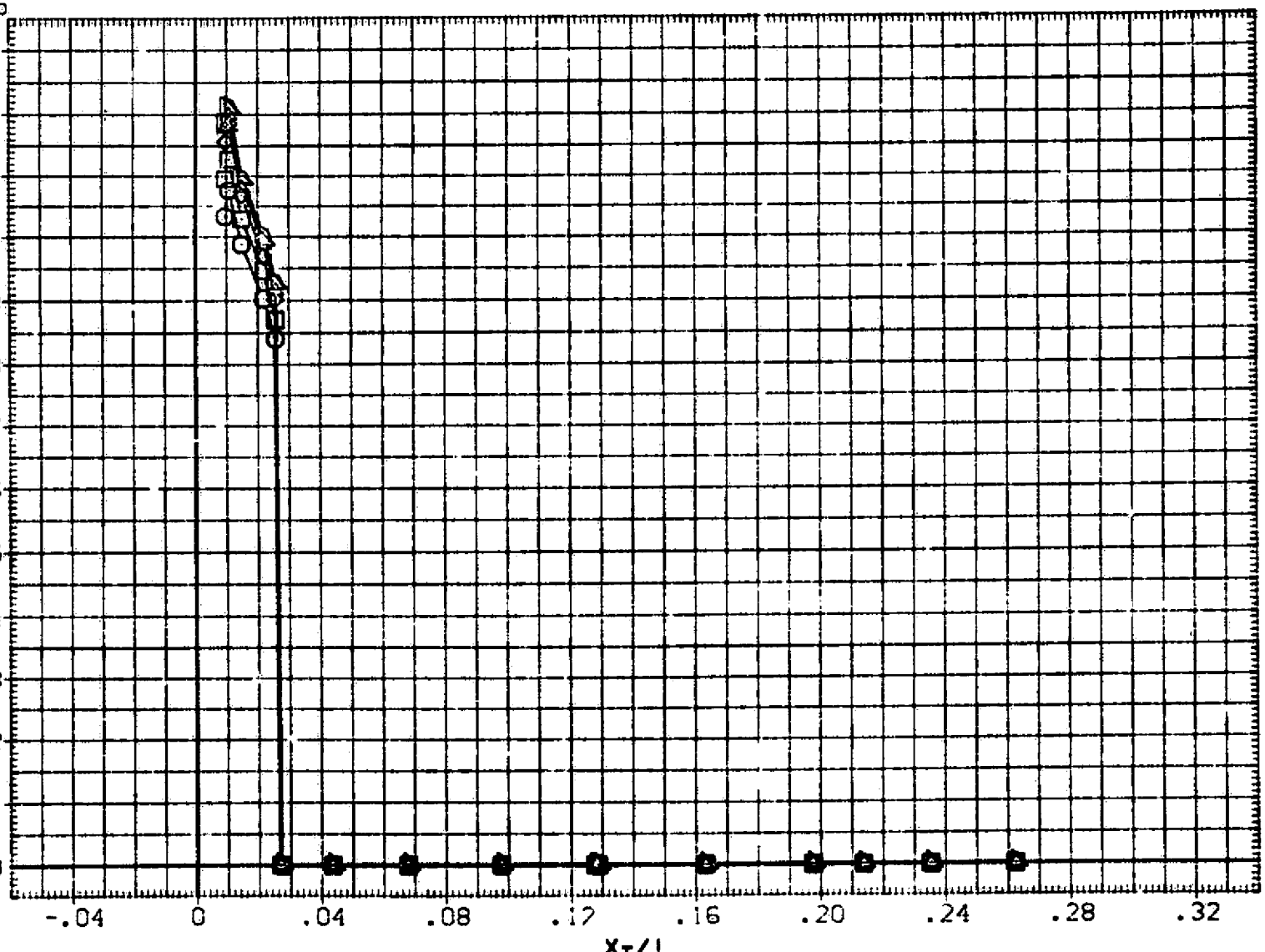


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
	-5.710	30.000	1.151	PHI	45.000
	-4.250				
	-2.840				
	-2.100				
	-1.370				
	-.670				

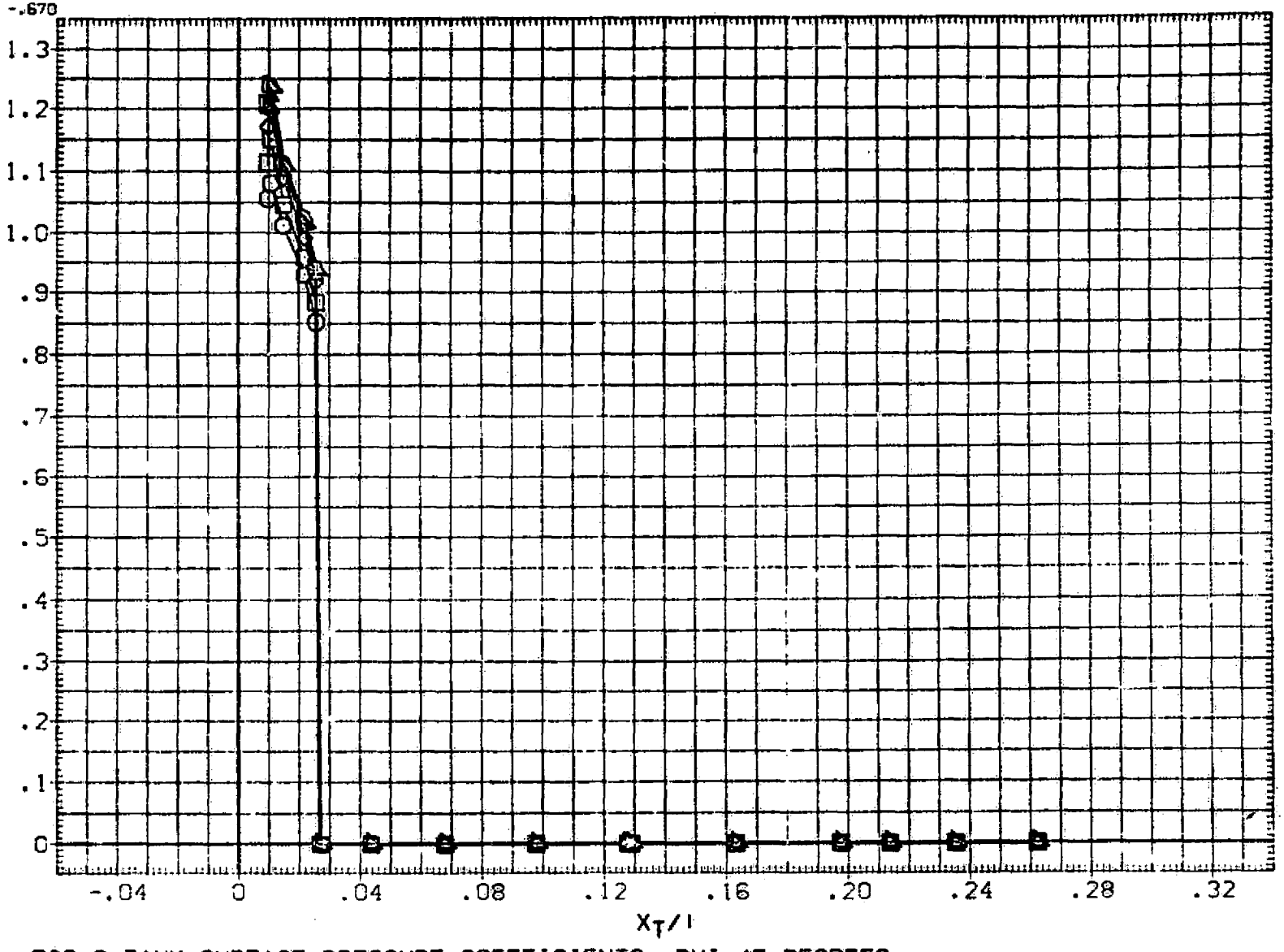


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
○	-1.470	30.000	.550	PHI	45.000
□	-.770				
◇	.000				
△	.720				
◁	1.450				

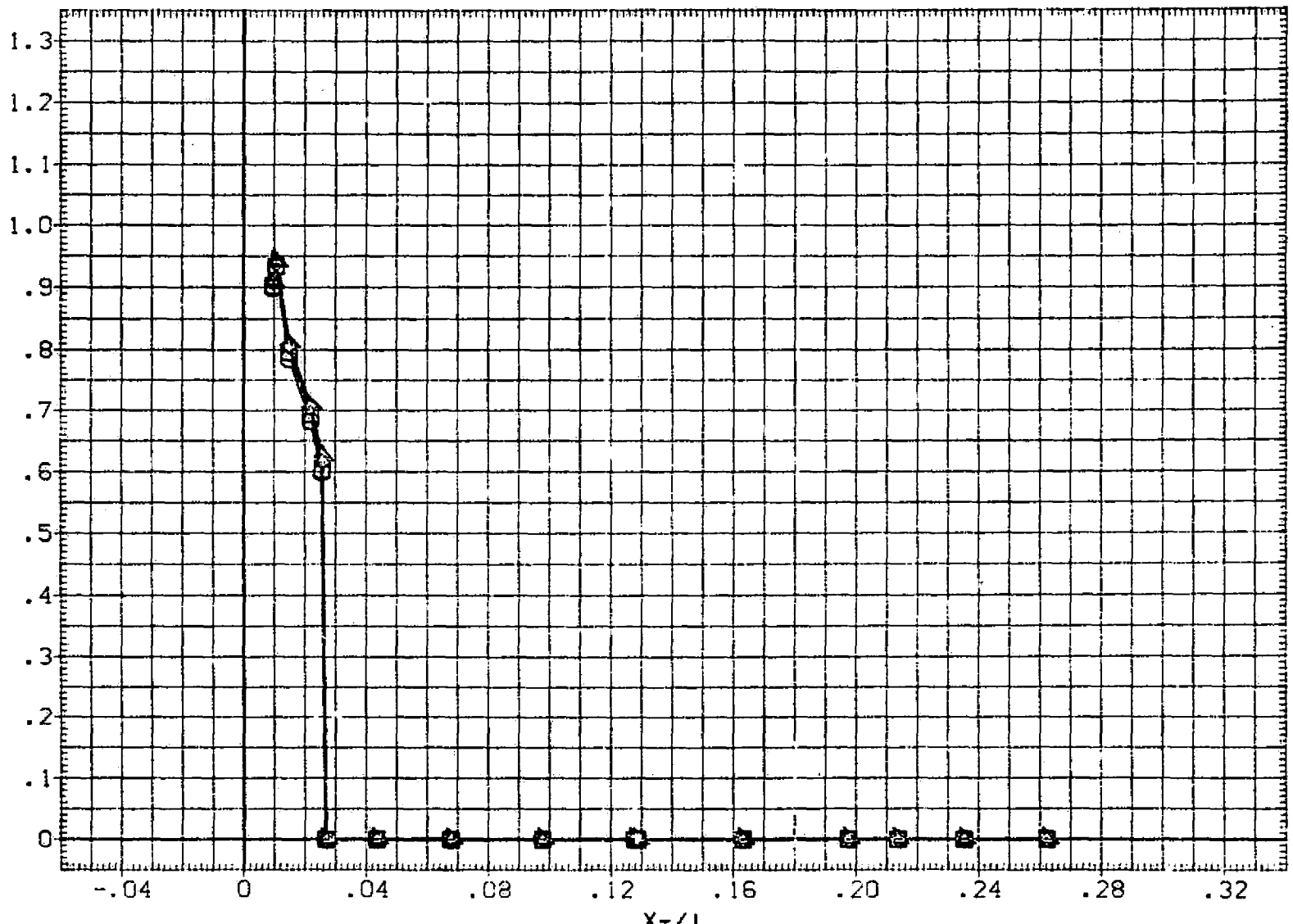


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH
○	-1.400	30.000	.702
□	-.720		
◇	.050		
△	.810		
▽	1.520		

PARAMETRIC VALUES

PHI 45.000

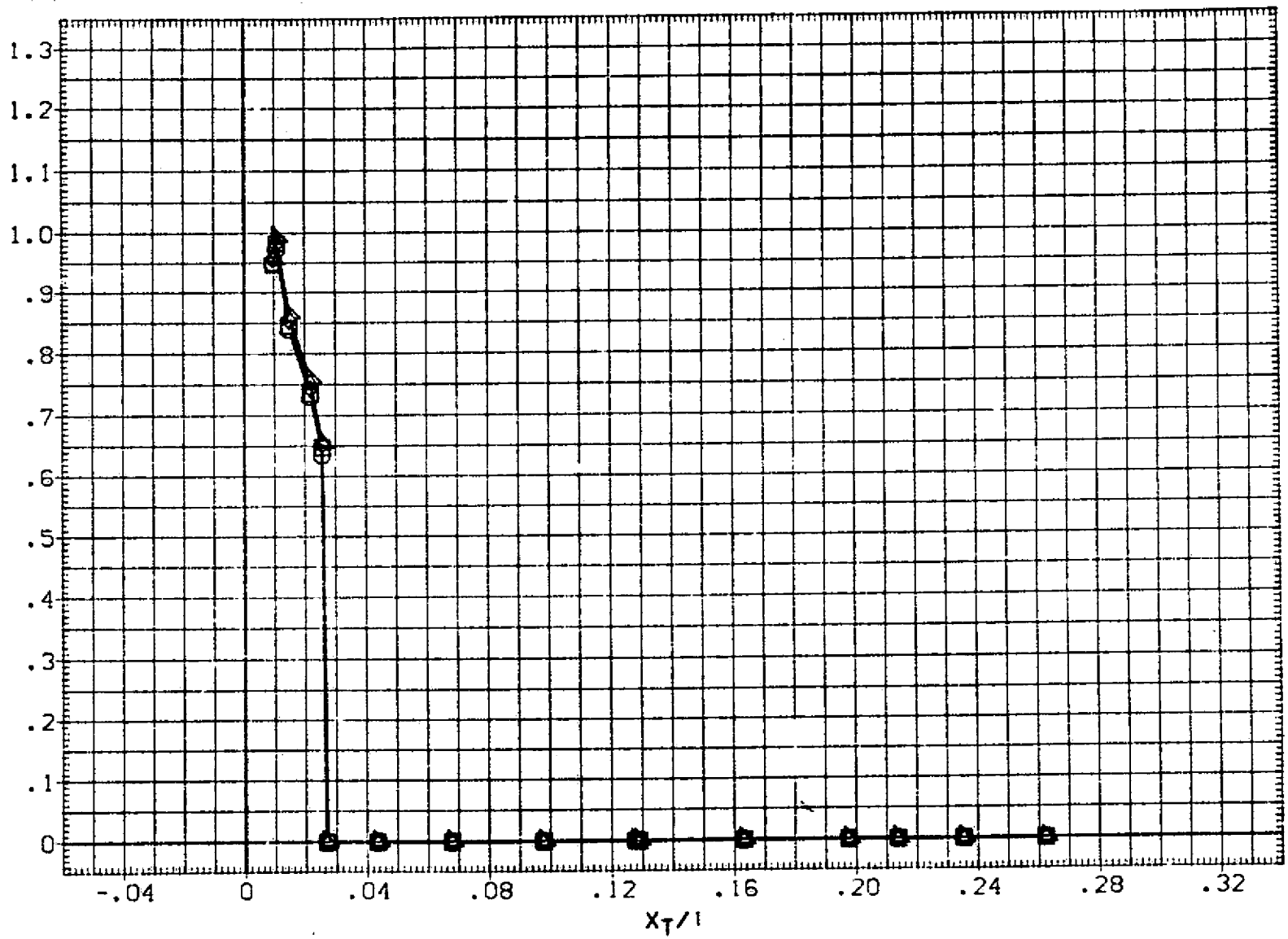


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
□	-1.450	30.000	.802
◇	-.820		
△	-.020		
⊲	.730		
⊳	1.430		

PARAMETRIC VALUES

PHI 45.000

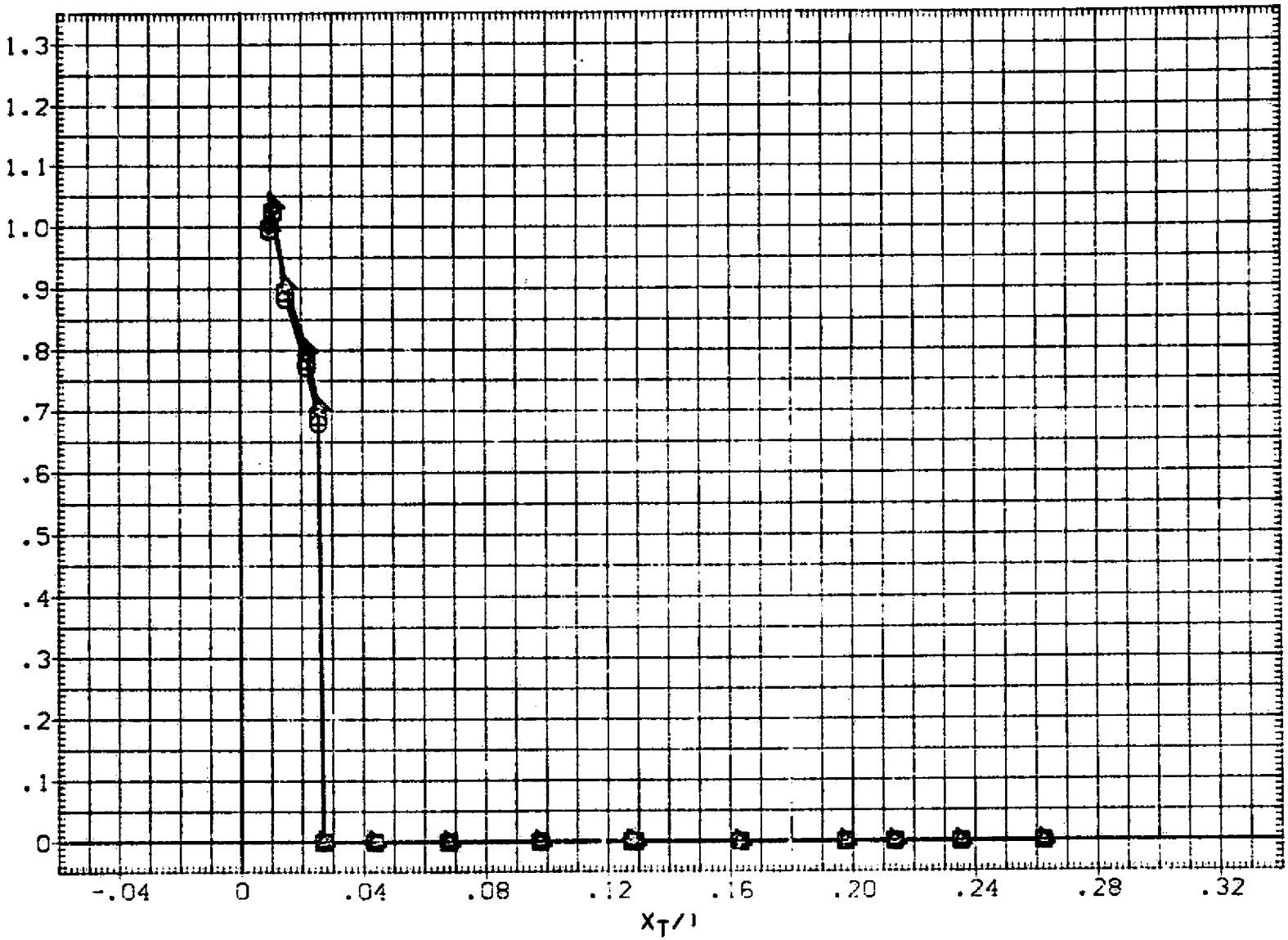


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH
○	-1.430	30.000	.901
□	-.710		
◇	.050		
△	.780		
◁	1.500		

PARAMETRIC VALUES

PHI 45.000

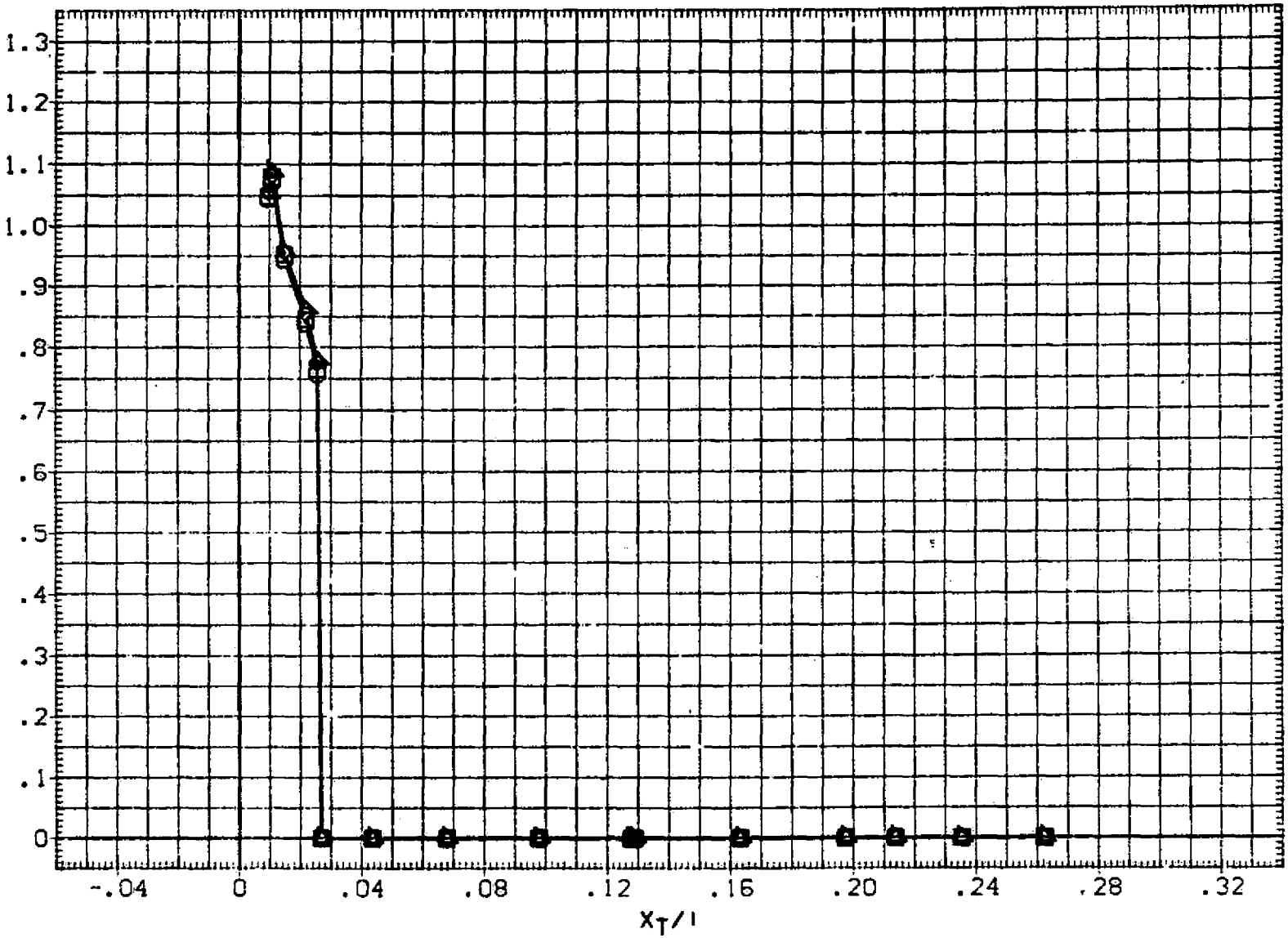


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
◇	-1.430	30.000	.348
▽	-.700		
⊠	.070		
△	.780		
□	1.490		

PARAMETRIC VALUES

PHI 45.000

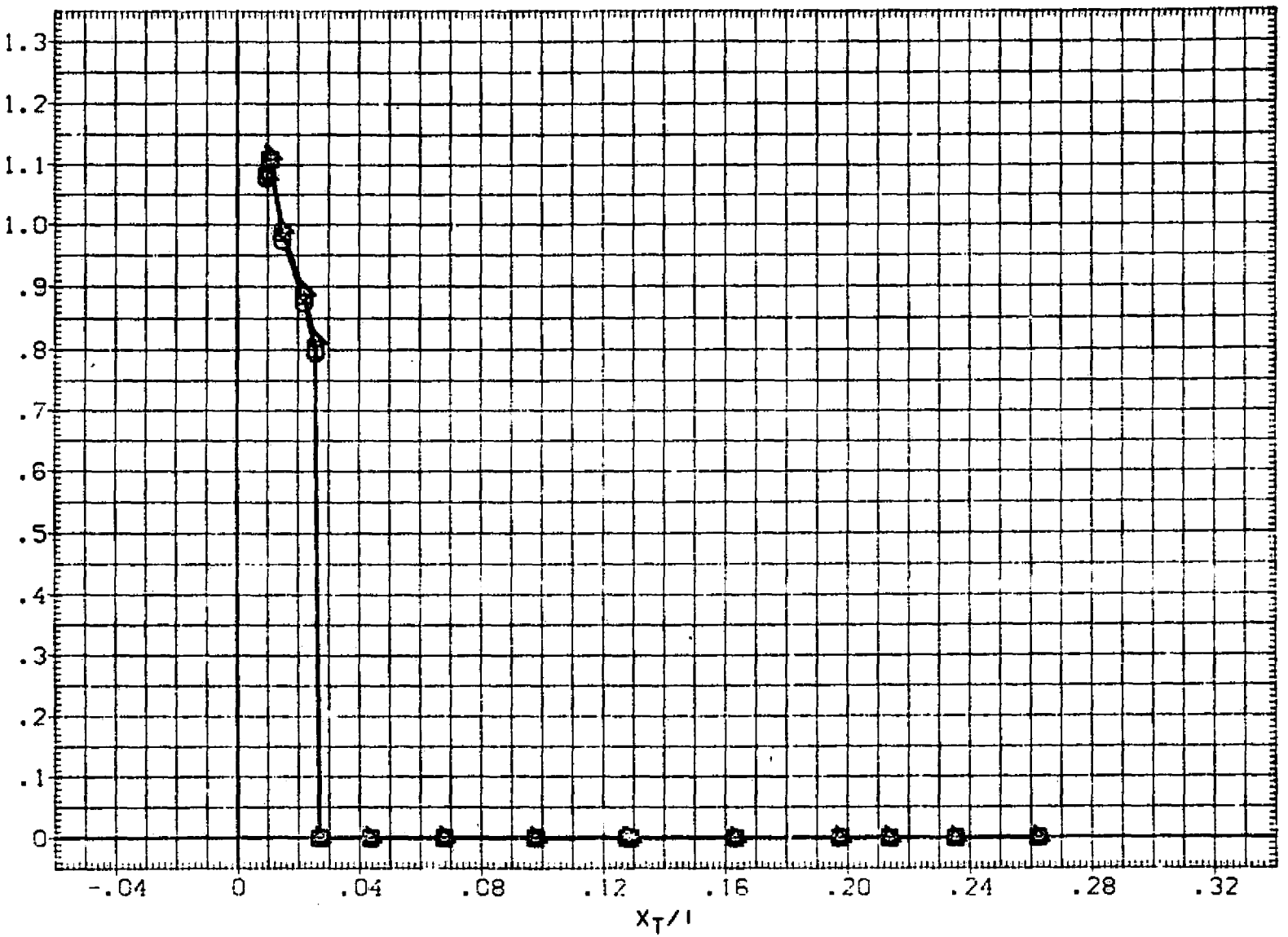


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	-1.360	30.000	1.050	PHI 45.000
	-.640			
	.110			
	.830			
	1.540			

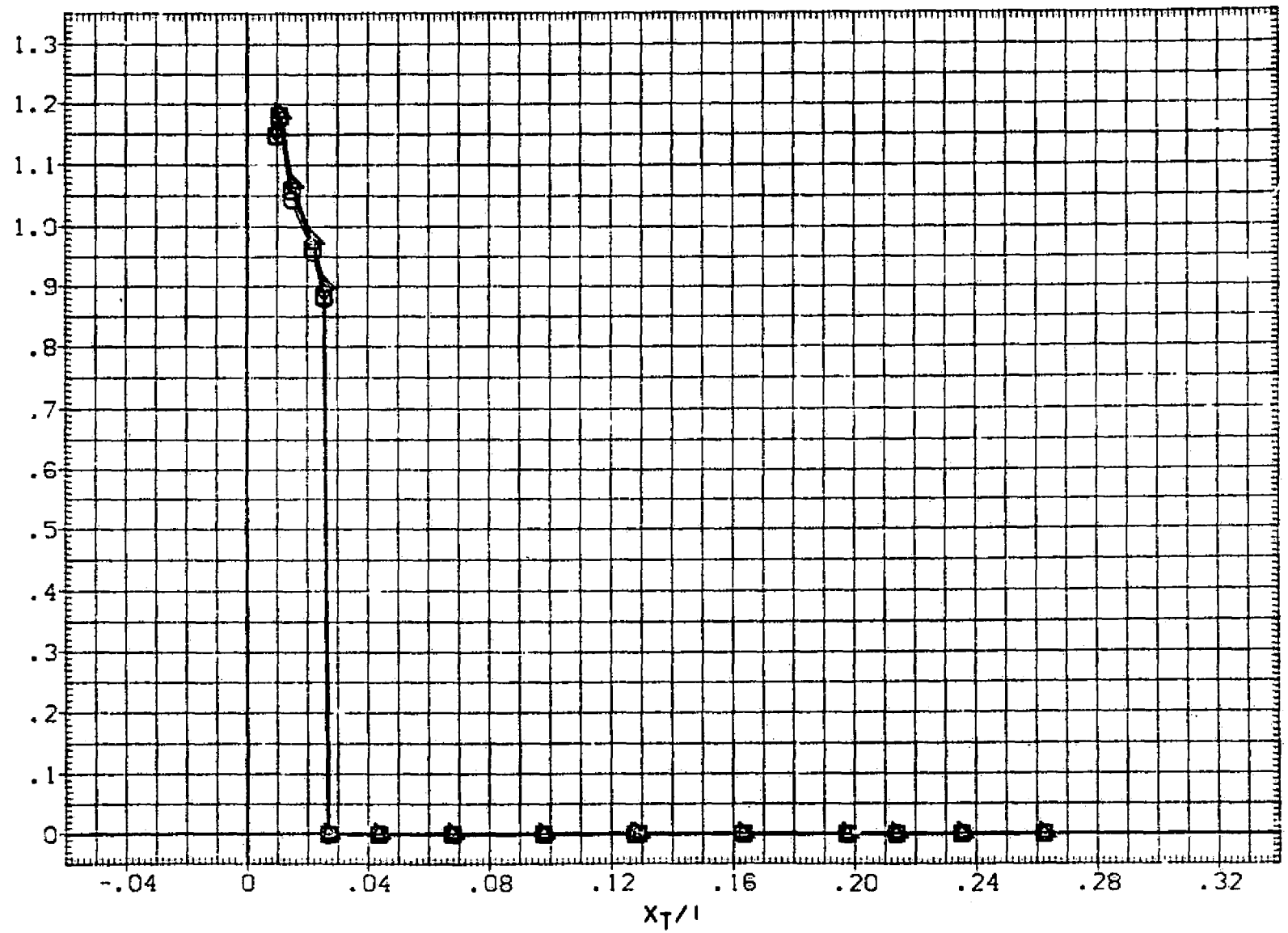


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1([A137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
	-1.330	30.000	1.099	PHI	45.000
	-.680				
	.080				
	.780				
	1.480				

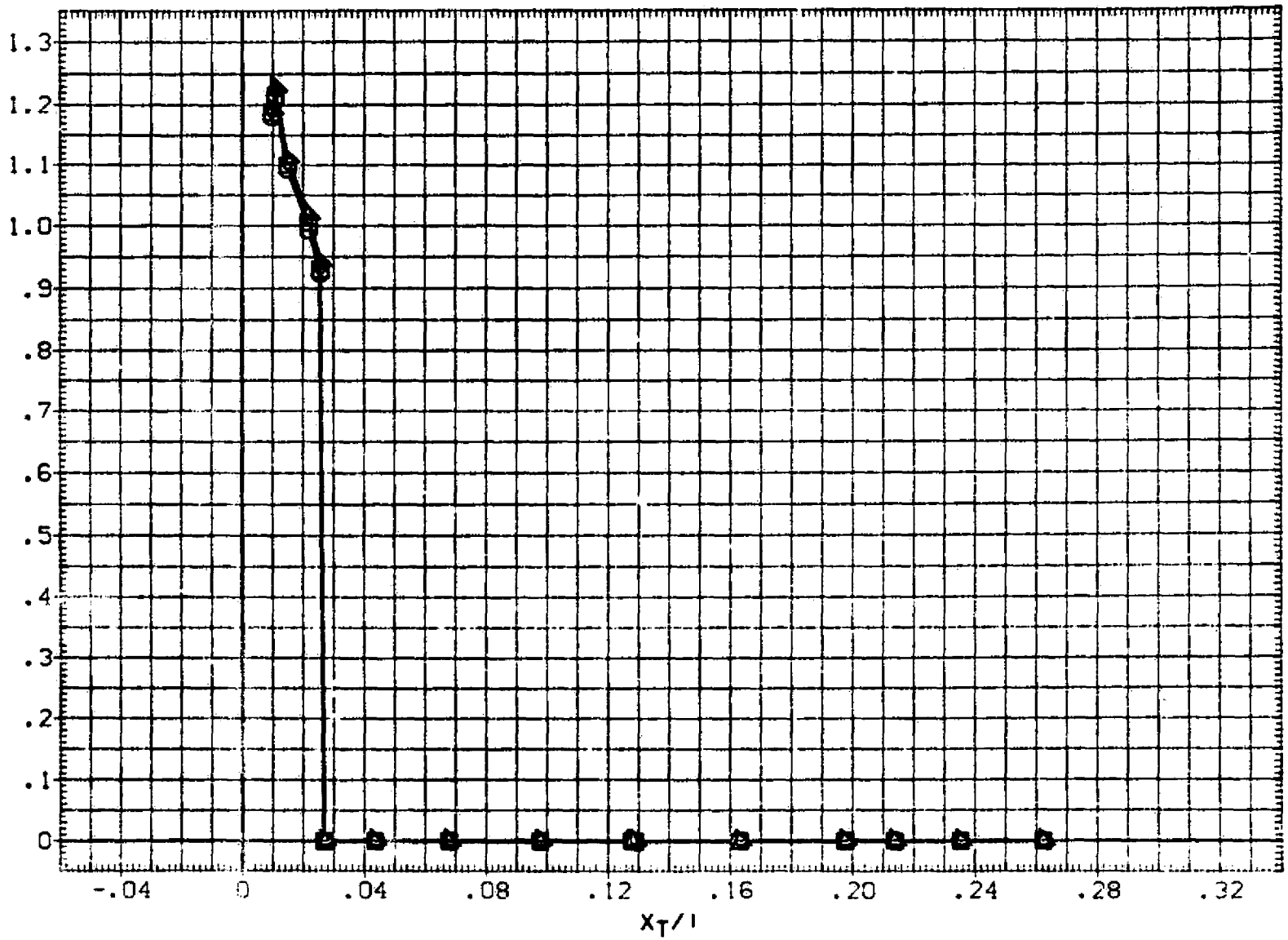


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
□	-1.370	30.000	1.151
◇	-.670		
△	.090		
▽	.840		
◁	1.550		

PARAMETRIC VALUES
PHI 45.000

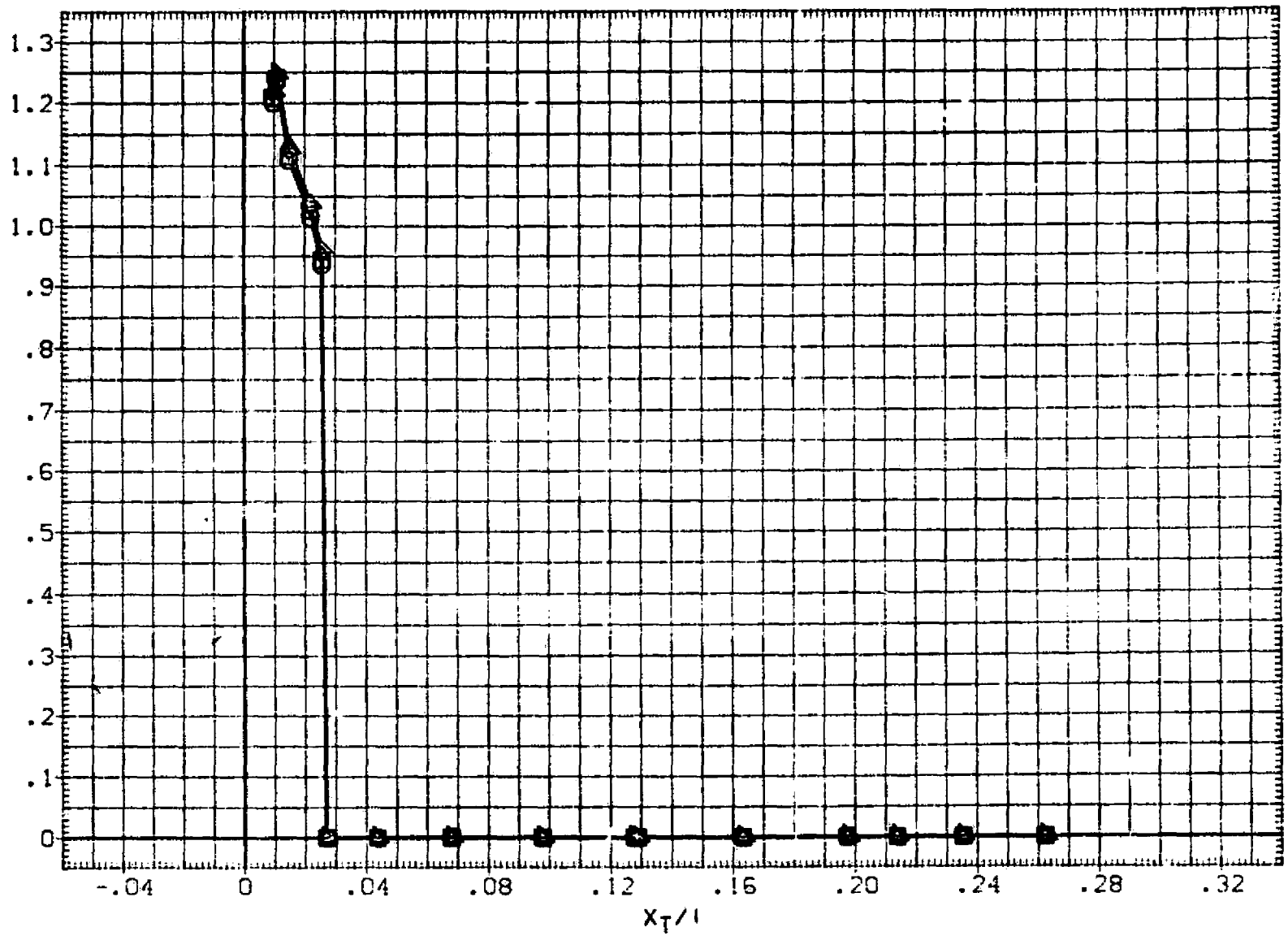


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
○	.720	30.000	.550	PHI 45.000
□	1.450			
◇	2.170			
△	2.910			
▽	4.340			
▷	5.790			

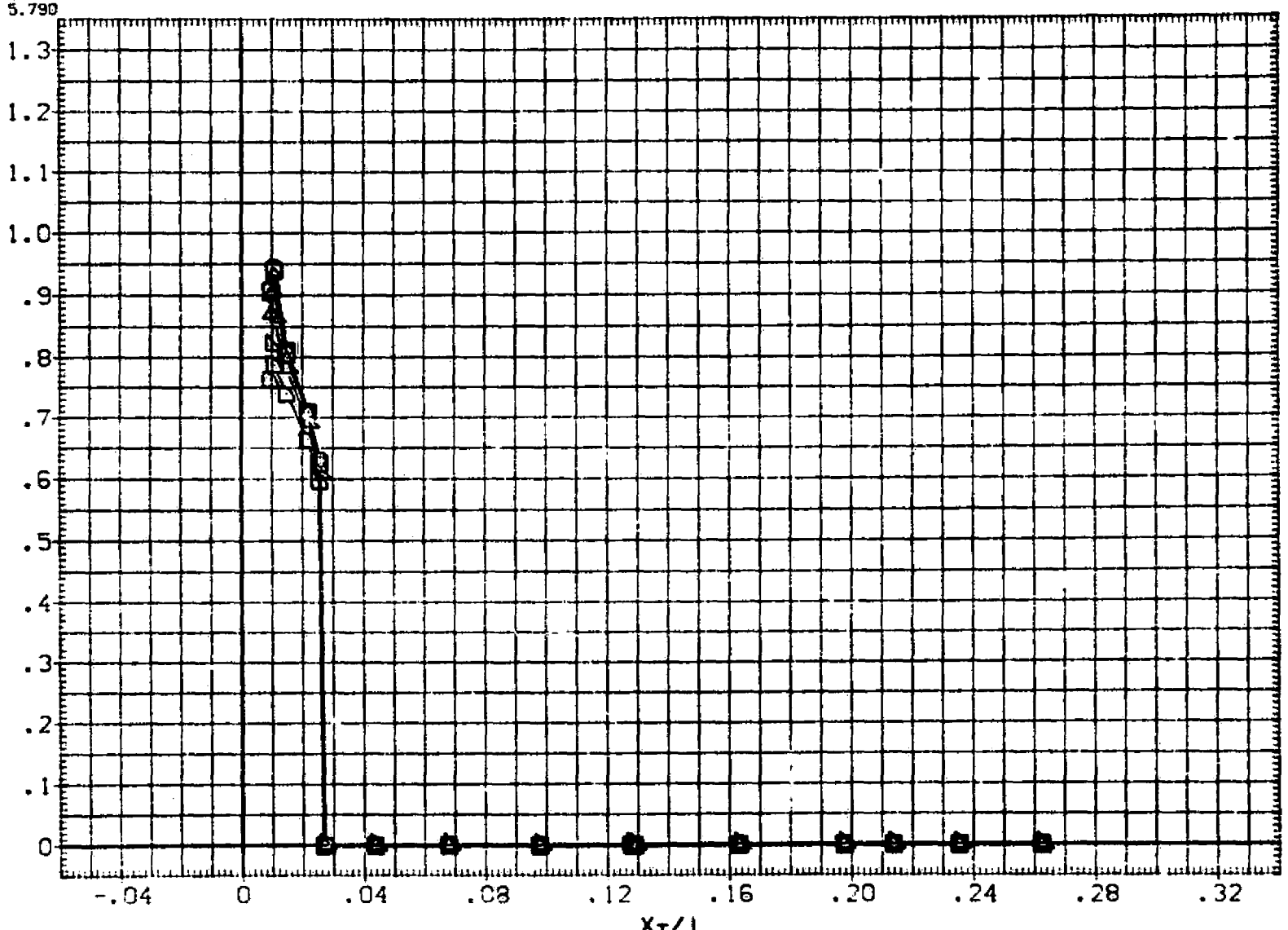


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

[RNY007] ARC14-143-1[IA137]TANK[T36].264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH
◇	.810	30.000	.702
□	1.520		
△	2.210		
▽	2.930		
⊠	4.410		
⊡	5.830		

PARAMETRIC VALUES
PHI 45.000

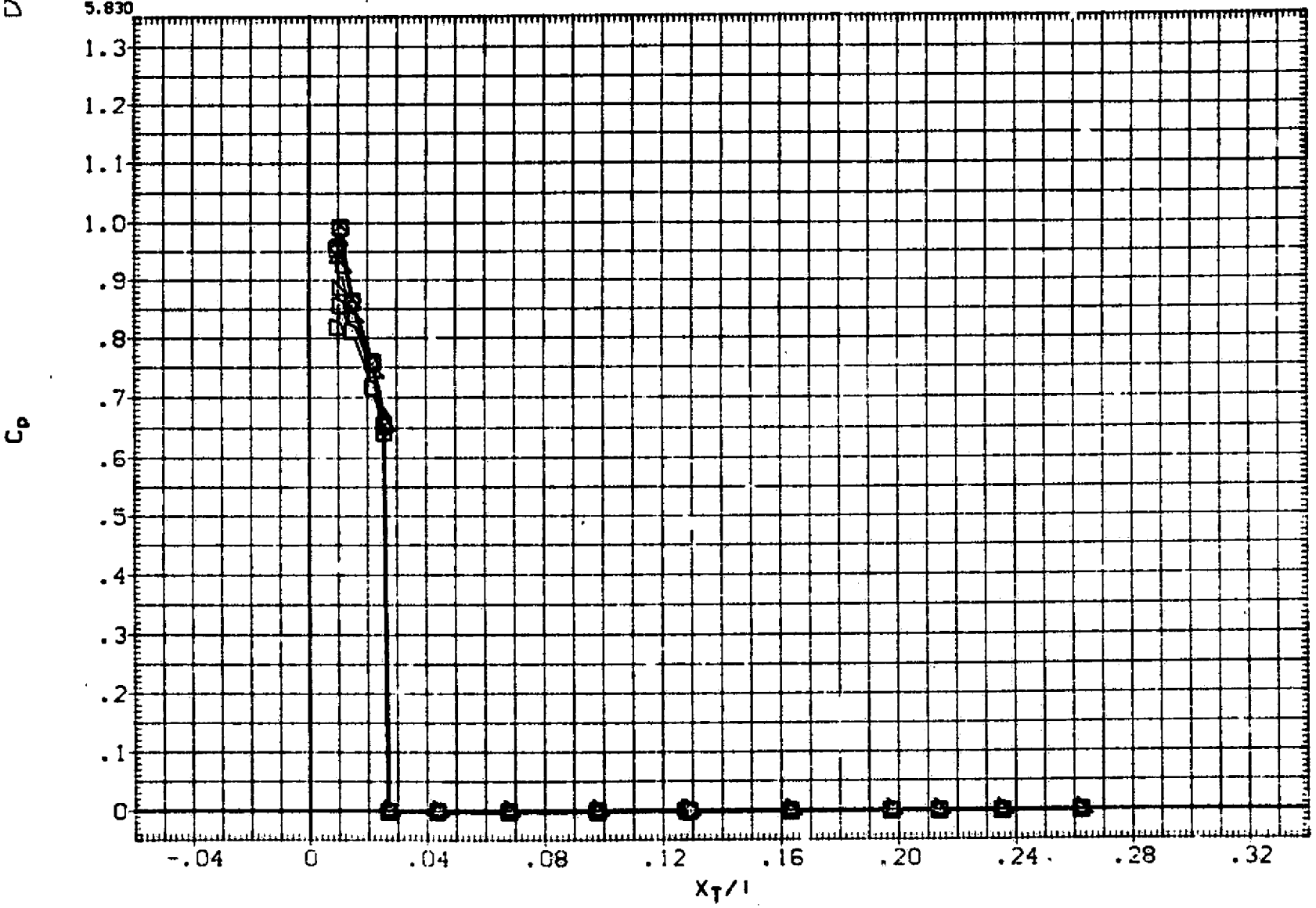


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-14[illegible]-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
	.730	30.000	.802	PHI	45.000
	1.430				
	2.160				
	2.900				
	4.360				
	5.770				

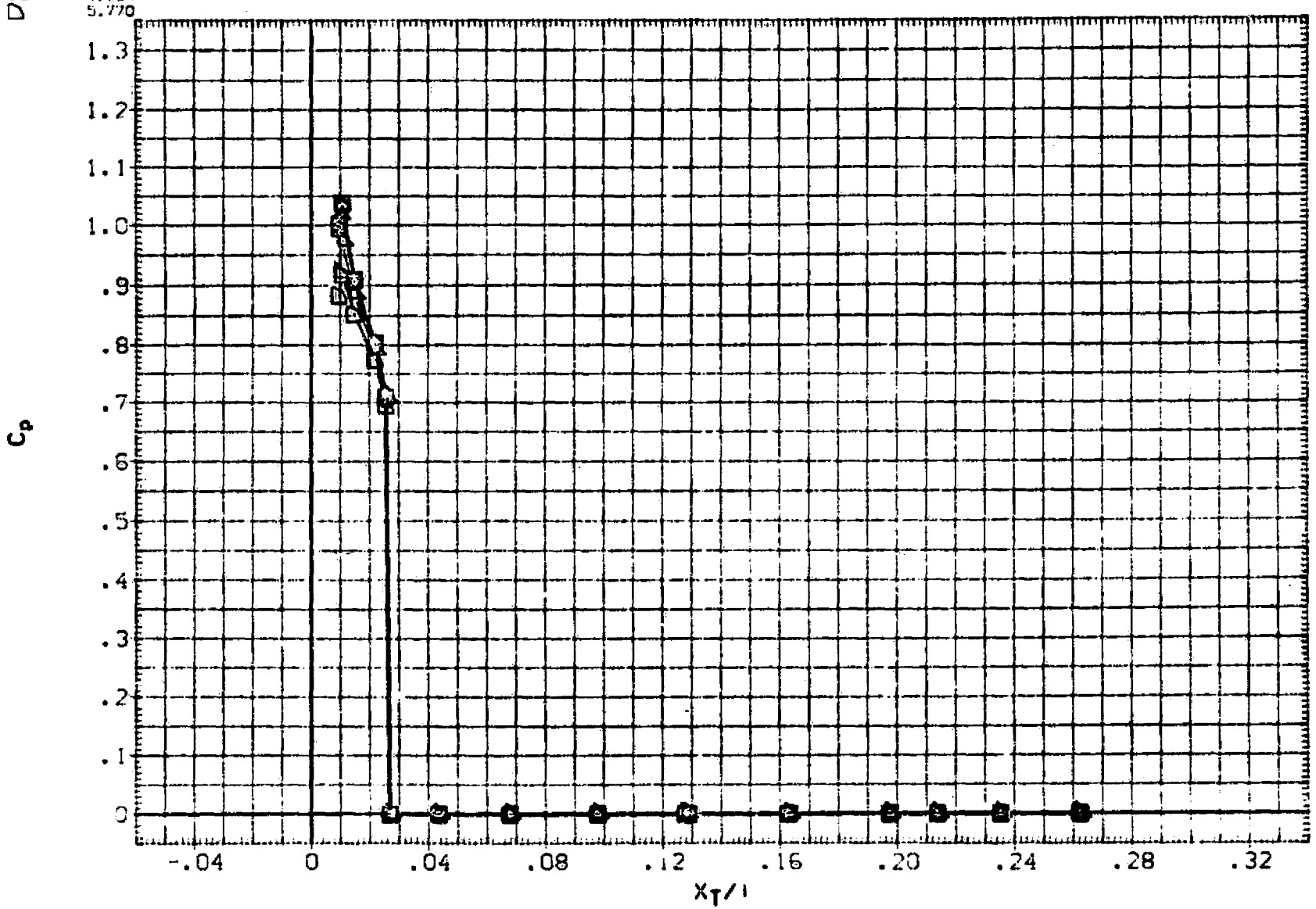


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	.780	30.000	.901	PHI 45.000
	1.500			
	2.250			
	2.990			
	4.330			
	5.850			

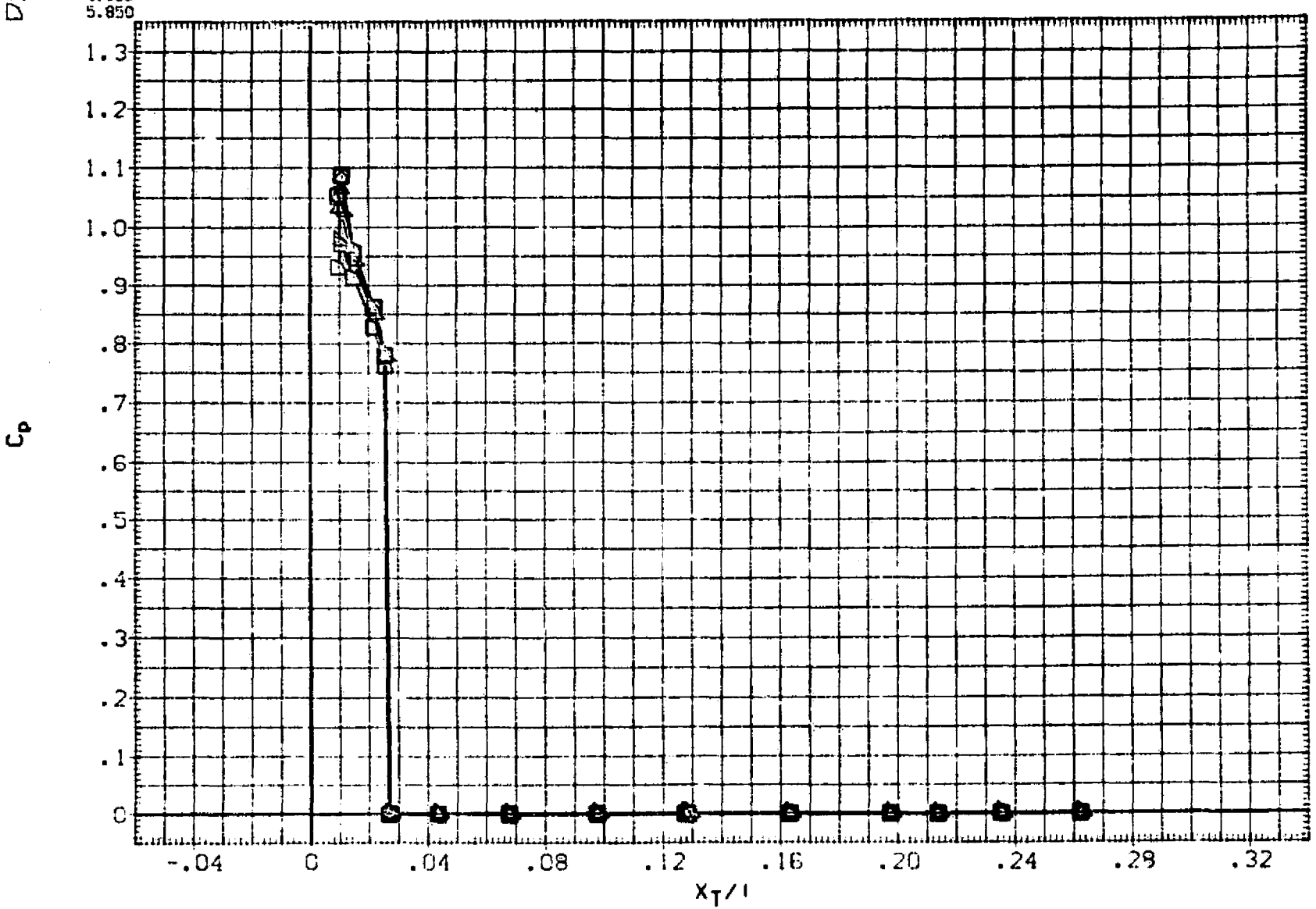


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1([A137)TANK(T36),264.8 IN..TANK SURF.

SYMBOL	ALPHA	THETA	MACH
	.780	30.000	.948
	1.490		
	2.250		
	2.970		
	4.370		
	5.840		

PARAMETRIC VALUES
PHI 45.000

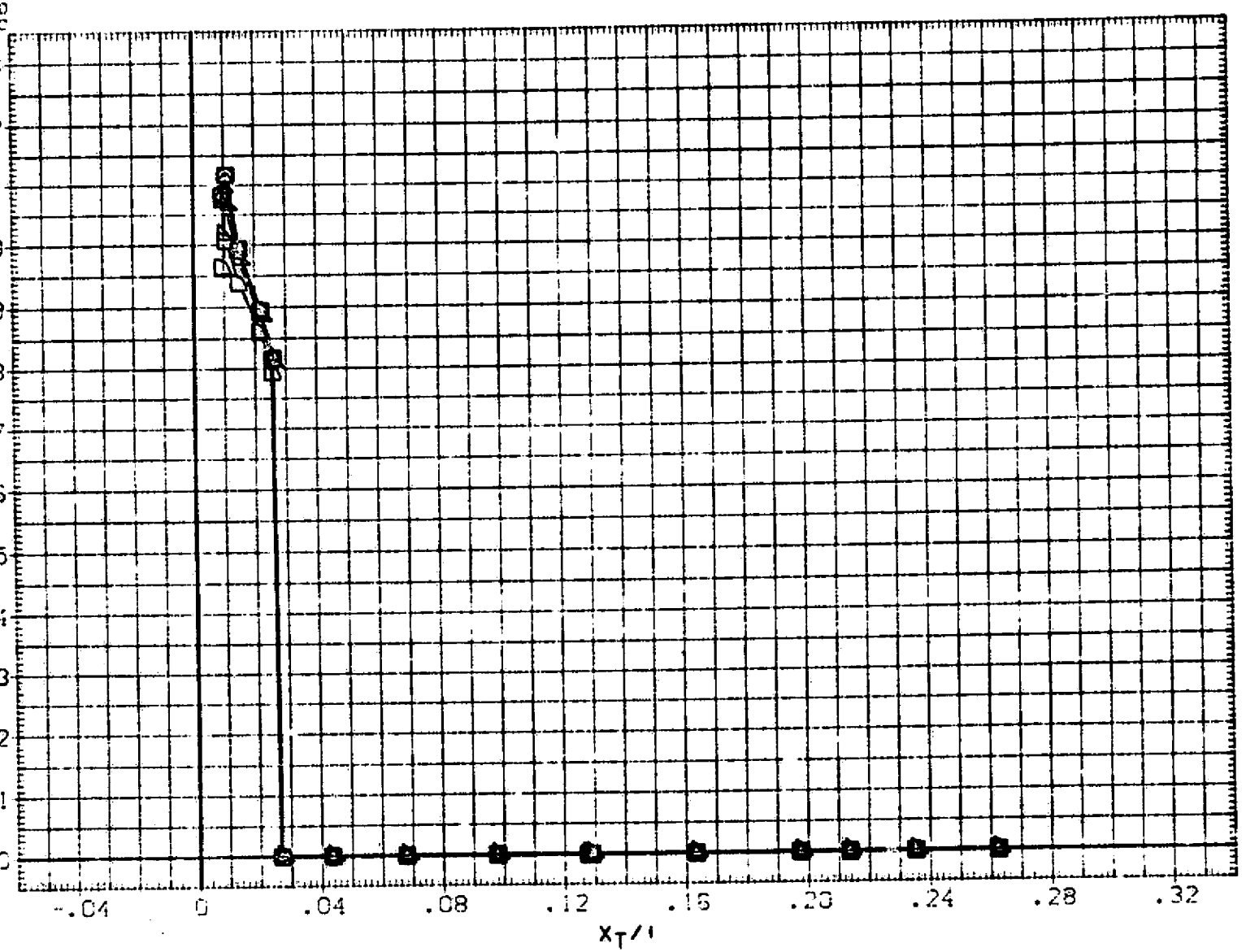


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS. PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	.830	30.000	1.050	PHI 45.000
	1.540			
	2.790			
	3.010			
	4.460			
	5.960			

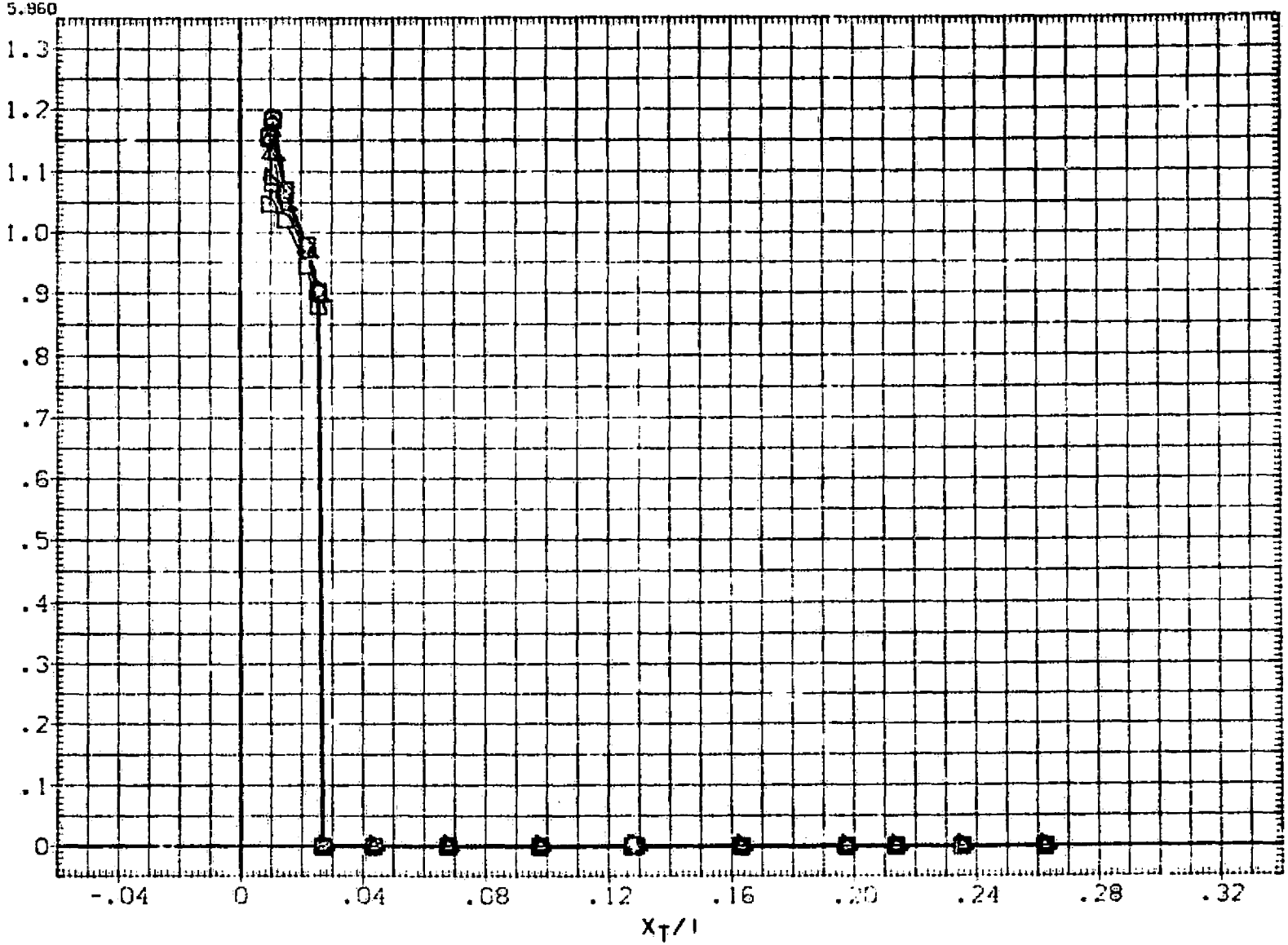


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH		PARAMETRIC VALUES
◇	.780	30.000	1.099	PHI	45.000
□	1.480				
▽	2.240				
×	2.980				
△	4.430				
○	5.880				

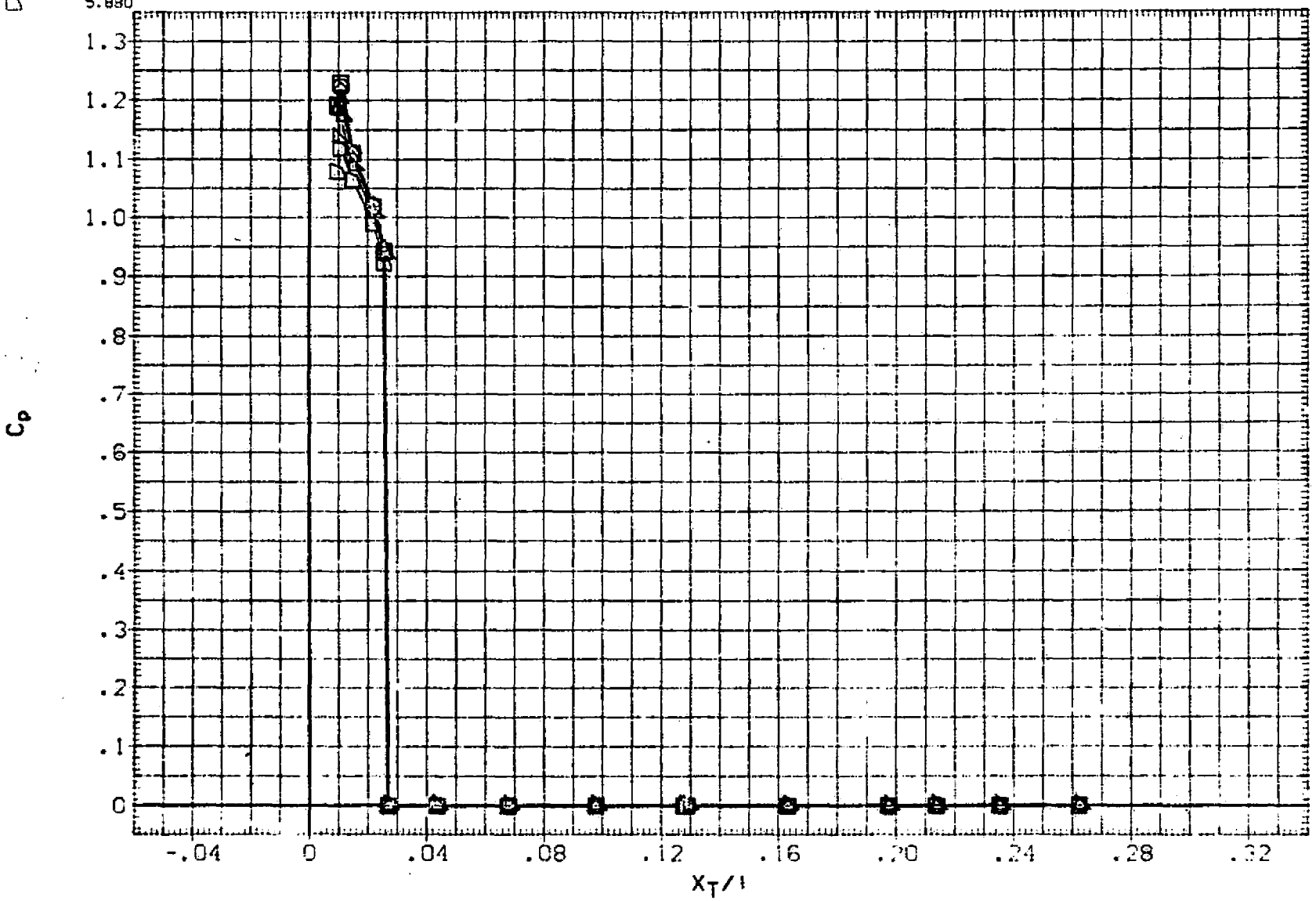


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

(RNY007) ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF.

SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES
	.840	30.000	1.151	PHI 45.000
	1.550			
	2.260			
	3.000			
	4.400			
	5.850			

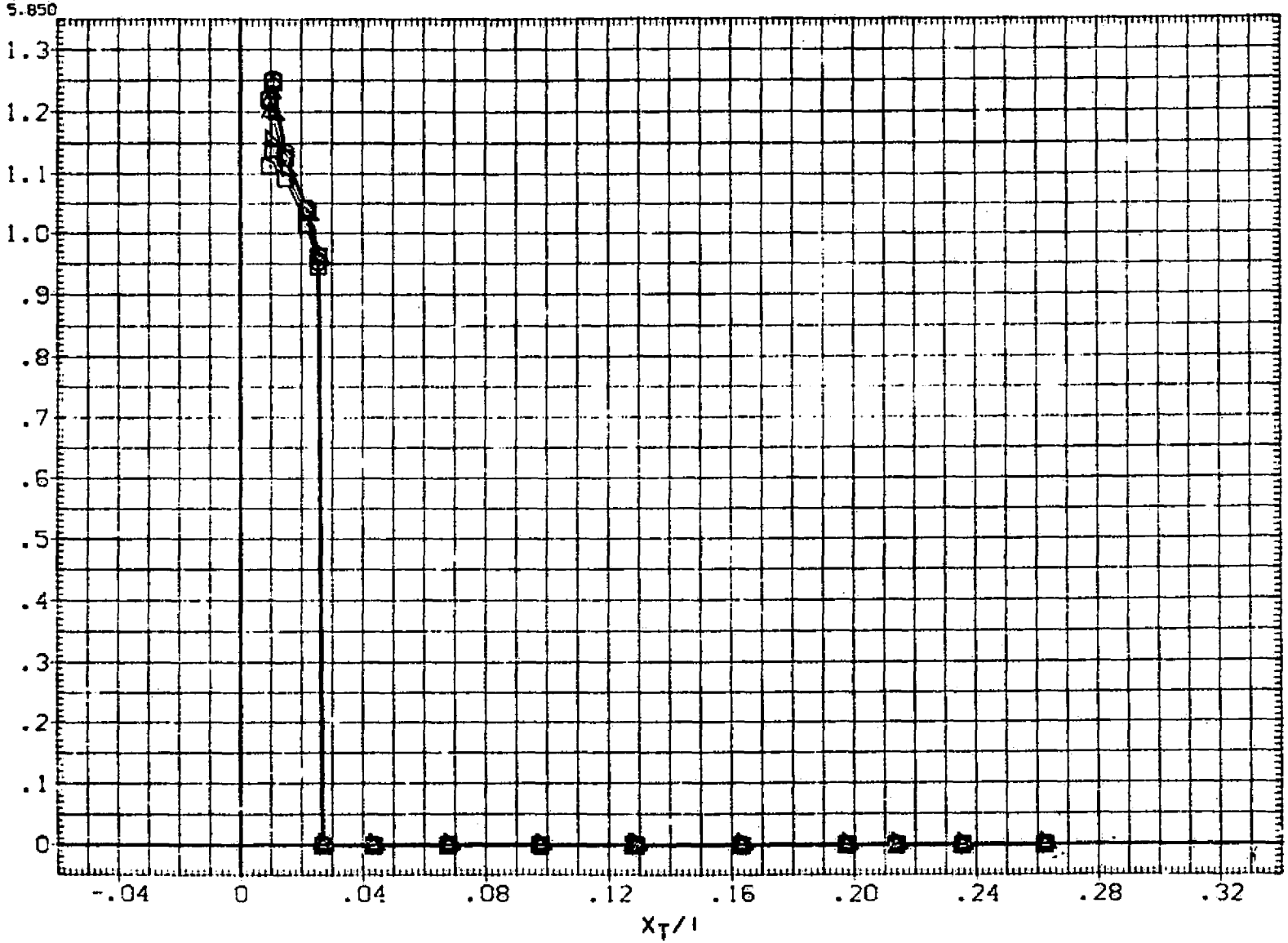


FIG.9 TANK SURFACE PRESSURE COEFFICIENTS, PHI=45 DEGREES

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

ARC14-143-1([IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

MACH (1) = .551 ALPHA (1) = -8.210 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7795
.011	.7830
.015	.6079
.022	.4998
.026	.4185
.027	.4323
.044	.2395
.068	.0271
.098	-.1990
.128	-.3620
.129	-.3651
.163	-.4321
.197	-.4546
.214	-.4429
.235	-.3408
.262	-.2115

MACH (1) = .553 ALPHA (2) = -6.130 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8250
.011	.8147
.015	.6740
.022	.5697
.026	.4672
.027	.4775
.044	.2930
.068	.0884
.098	-.1429
.128	-.3158
.129	-.3329
.163	-.4093
.197	-.4423
.214	-.4436

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OF POOR QUALITY

ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE (RNY001)

MACH (1) = .553 ALPHA (2) = -6.130

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.235	-.3299
.262	-.2072

MACH (1) = .554 ALPHA (3) = -4.160 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8509
.011	.8595
.015	.7180
.022	.6167
.026	.5275
.027	.5408
.044	.3405
.068	.1359
.098	-.1086
.128	-.2870
.129	-.3029
.163	-.3853
.197	-.4290
.214	-.4333
.235	-.3402
.262	-.2141

MACH (1) = .553 ALPHA (4) = -3.070 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8683
.011	.8799
.015	.7482
.022	.6393
.026	.5614
.027	.5644
.044	.3785
.068	.1650
.098	-.0782
.128	-.2551
.129	-.2714

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (1) = .553 ALPHA (4) = -3.070

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.163	-.3679
.197	-.4174
.214	-.4234
.235	-.3330
.262	-.2086

MACH (1) = .553 ALPHA (5) = -2.140 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8849
.011	.9047
.015	.7720
.022	.6621
.026	.5754
.027	.5977
.044	.4028
.068	.1826
.098	-.0531
.128	-.2437
.129	-.2540
.163	-.3493
.197	-.4034
.214	-.4141
.235	-.3231
.262	-.2042

MACH (1) = .553 ALPHA (6) = -1.070 RN/L = 3.2136 PO = 2035.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8982
.011	.9197
.015	.7965
.022	.6915
.026	.6029
.027	.6197
.044	.4348
.068	.2044

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (1) = .553 ALPHA (6) = -1.070

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.098	-.0368
.128	-.2255
.129	-.2345
.163	-.3407
.197	-.4018
.214	-.4125
.235	-.3218
.262	-.2010

MACH (1) = .552 ALPHA (7) = .000 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9171
.011	.9468
.015	.8227
.022	.7138
.026	.6246
.027	.6435
.044	.4514
.068	.2304
.098	-.0026
.128	-.1952
.129	-.2206
.163	-.3249
.197	-.3891
.214	-.4085
.235	-.3201
.262	-.2073

MACH (1) = .553 ALPHA (8) = 1.020 RN/L = 3.2135 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9292
.011	.9593
.015	.8354
.022	.7421
.026	.6527

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY001)

MACH (1) = .553 ALPHA (8) = 1.020

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.027	.6660
.044	.4815
.068	.2610
.098	.0051
.128	-.1789
.129	-.1905
.163	-.3109
.197	-.3780
.214	-.4004
.235	-.3161
.262	-.2009

MACH (1) = .552 ALPHA (9) = 2.060 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9423
.011	.9685
.015	.8498
.022	.7587
.026	.6774
.027	.6838
.044	.5027
.068	.2834
.099	.0524
.128	-.1528
.129	-.1700
.165	-.2876
.197	-.3640
.214	-.3850
.235	-.3089
.262	-.1923

ARC14-143-1((IA137)TANK(T36).331 IN.,TANK SURFACE (RNY001)

MACH (1) = .553 ALPHA (10) = 3.060 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9359
.011	.9746
.015	.8713
.022	.7756
.026	.6965
.027	.7039
.044	.5252
.069	.3001
.098	.0676
.128	-.1390
.129	-.1506
.163	-.2772
.197	-.3517
.214	-.3809
.235	-.3047
.262	-.1924

MACH (1) = .553 ALPHA (11) = 4.060 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9295
.011	.9854
.015	.8864
.022	.7304
.026	.7190
.027	.7255
.044	.5499
.069	.3269
.098	.0821
.128	-.1194
.129	-.1361
.163	-.2610
.197	-.3475
.214	-.3741
.235	-.3044
.262	-.1955

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (1) = .552 ALPHA (12) = 6.120 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9402
.011	.9875
.015	.9032
.022	.8028
.026	.7536
.027	.7553
.044	.5851
.068	.3536
.098	.1203
.128	-.0771
.129	-.0943
.163	-.2272
.197	-.3175
.214	-.3519
.235	-.2886
.262	-.1829

MACH (1) = .552 ALPHA (13) = 8.150 RN/L = 3.2136 PO = 2095.8 Q(PSF) = 363.93 P = 1703.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9354
.011	.9856
.015	.9043
.022	.8462
.026	.7861
.027	.7849
.044	.6195
.068	.4131
.098	.1713
.128	-.0433
.129	-.0554
.163	-.1966
.197	-.3028
.214	-.3408
.235	-.2808
.262	-.1793

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (2) = .699 ALPHA (1) = -8.090 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8256
.011	.8331
.015	.6646
.022	.5491
.026	.4384
.027	.4718
.044	.2793
.068	.0571
.098	-.1842
.128	-.3798
.129	-.3963
.163	-.4746
.197	-.5116
.214	-.5027
.235	-.3669
.262	-.2226

MACH (2) = .700 ALPHA (2) = -6.130 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8729
.011	.8650
.015	.7117
.022	.6104
.026	.5088
.027	.5330
.044	.3373
.068	.1066
.098	-.1381
.128	-.3367
.129	-.3556
.163	-.4459
.197	-.4972
.214	-.4905
.235	-.3651
.262	-.2153

ARC14-143-1([A137)TANK([36),331 IN.,TANK SURFACE (RNY001)

MACH (2) = .698 ALPHA (3) = -4.020 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9019
.011	.9107
.015	.7662
.022	.6633
.026	.5708
.027	.5938
.044	.3941
.068	.1674
.098	-.0726
.128	-.2888
.129	-.3142
.163	-.3996
.197	-.4765
.214	-.4673
.235	-.3465
.262	-.2159

MACH (2) = .698 ALPHA (4) = -3.070 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9122
.011	.9362
.015	.7991
.022	.6927
.026	.5973
.027	.6122
.044	.4167
.068	.1857
.098	-.0629
.128	-.2714
.129	-.2913
.163	-.3959
.197	-.4661
.214	-.4719
.235	-.3542
.262	-.2097

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (2) = .699 ALPHA (5) = -2.000 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9290
.011	.9511
.015	.8177
.022	.7162
.026	.6275
.027	.6444
.044	.4450
.068	.2181
.098	-.0355
.128	-.2410
.129	-.2691
.163	-.3822
.197	-.4556
.214	-.4611
.235	-.3514
.262	-.2089

MACH (2) = .699 ALPHA (6) = -.970 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9472
.011	.9656
.015	.8378
.022	.7387
.026	.6505
.027	.6687
.044	.4681
.068	.2464
.098	-.0130
.128	-.2262
.129	-.2396
.163	-.3591
.197	-.4426
.214	-.4600
.235	-.3451
.262	-.2075

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (2) = .698 ALPHA (7) = .140 RN/L = 3.6650 PO = 2032.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9633
.011	.9912
.015	.8606
.022	.7637
.026	.6744
.027	.6851
.044	.5025
.068	.2638
.098	.0156
.128	-.2068
.129	-.2233
.163	-.3474
.197	-.4354
.214	-.4455
.235	-.3431
.262	-.2065

MACH (2) = .700 ALPHA (8) = 1.100 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9776
.011	1.0111
.015	.8826
.022	.7758
.026	.6986
.027	.7068
.044	.5186
.068	.2939
.098	.0345
.128	-.1861
.129	-.1973
.163	-.3260
.197	-.4164
.214	-.4377
.235	-.3422
.262	-.2021

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ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (2) = .700 ALPHA (9) = 2.230 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9963
.011	1.0148
.015	.9040
.022	.7991
.026	.7240
.027	.7361
.044	.5564
.068	.3234
.098	.0617
.128	-.1558
.129	-.1788
.163	-.3065
.197	-.4088
.214	-.4326
.235	-.3401
.262	-.2037

MACH (2) = .698 ALPHA (10) = 3.150 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9867
.011	1.0270
.015	.9120
.022	.8158
.026	.7342
.027	.7436
.044	.5591
.068	.3336
.098	.0790
.128	-.1540
.129	-.1731
.163	-.3134
.197	-.4175
.214	-.4563
.235	-.3572
.262	-.2212

ARC14-143-1([IA137)TANK(T36).331 IN.,TANK SURFACE (RNY001)

MACH (2) = .698 ALPHA (11) = 4.160 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9717
.011	1.0287
.015	.9284
.022	.8349
.026	.7585
.027	.7709
.044	.5884
.068	.3685
.098	.1092
.128	-.1144
.129	-.1374
.163	-.2742
.197	-.3828
.214	-.4153
.235	-.3256
.262	-.1951

MACH (2) = .701 ALPHA (12) = 6.190 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9958
.011	1.0348
.015	.9593
.022	.8694
.026	.7961
.027	.8109
.044	.6235
.068	.4017
.098	.1471
.128	-.0768
.129	-.0979
.163	-.2471
.197	-.3701
.214	-.4066
.235	-.3275
.262	-.2054

ARC1'-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (2) = .696 ALPHA (13) = 8.290 RN/L = 3.6650 PO = 2092.7 Q(PSF) = 516.32 P = 1510.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9914
.011	1.0313
.015	.9713
.022	.8955
.026	.8309
.027	.8339
.044	.6590
.068	.4439
.098	.1999
.128	-.0323
.129	-.0566
.163	-.2084
.197	-.3390
.214	-.3882
.235	-.3156
.262	-.1950

MACH (3) = .802 ALPHA (1) = -8.250 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8718
.011	.8740
.015	.7049
.022	.5939
.026	.4913
.027	.5289
.044	.3325
.068	.0841
.098	-.1644
.128	-.4304
.129	-.3871
.163	-.5171
.197	-.6959
.214	-.5477
.235	-.3695
.262	-.2167

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (3) = .806 ALPHA (2) = -6.220 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9201
.011	.9379
.015	.7565
.022	.6653
.026	.6613
.027	.5882
.044	.3900
.068	.1659
.098	-.1005
.128	-.3588
.129	-.3197
.163	-.4558
.197	-.5770
.214	-.5833
.235	-.3509
.262	-.1905

MACH (3) = .801 ALPHA (3) = -4.180 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9438
.011	.9613
.015	.8157
.022	.7043
.026	.6071
.027	.6329
.044	.4334
.068	.2068
.098	-.0589
.128	-.3263
.129	-.2972
.163	-.4451
.197	-.5810
.214	-.6144
.235	-.3749
.262	-.2091

ARC14-143-1(1A137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (3) = .802 ALPHA (4) = -3.110 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9619
.011	.9841
.015	.8400
.022	.7262
.026	.6425
.027	.6629
.044	.4675
.068	.2292
.098	-.0383
.128	-.3003
.129	-.2753
.163	-.4220
.197	-.5664
.214	-.6251
.235	-.3741
.262	-.2108

MACH (3) = .802 ALPHA (5) = -2.100 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9768
.011	1.0097
.015	.8637
.022	.7556
.026	.6540
.027	.6810
.044	.4900
.068	.2556
.098	-.0109
.128	-.2754
.129	-.2484
.163	-.4087
.197	-.5733
.214	-.6159
.235	-.3758
.262	-.2148

ARC14-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (3) = .803 ALPHA (6) = -1.170 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9886
.011	1.0146
.015	.8820
.022	.7765
.026	.6885
.027	.7102
.044	.5130
.068	.2805
.098	.0091
.128	-.2608
.129	-.2260
.163	-.3885
.197	-.5671
.214	-.6116
.235	-.3733
.262	-.2069

MACH (3) = .804 ALPHA (7) = -.040 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0022
.011	1.0367
.015	.9075
.022	.7954
.026	.7046
.027	.7384
.044	.5380
.068	.3068
.098	.0417
.128	-.2256
.129	-.2033
.163	-.3668
.197	-.5428
.214	-.6166
.235	-.3754
.262	-.2081

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ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY001)

MACH (3) = .799 ALPHA (8) = 1.020 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0190
.011	1.0472
.015	.9253
.022	.8252
.026	.7292
.027	.7500
.044	.5657
.068	.3333
.098	.0723
.128	-.2059
.129	-.1731
.163	-.3456
.197	-.5034
.214	-.5597
.235	-.3737
.262	-.2072

MACH (3) = .802 ALPHA (9) = 1.990 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0275
.011	1.0651
.015	.9348
.022	.8420
.026	.7547
.027	.7766
.044	.5900
.068	.3570
.098	.0852
.128	-.1735
.129	-.1602
.163	-.3318
.197	-.5091
.214	-.5921
.235	-.3777
.262	-.2073

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (3) = .803 ALPHA (10) = 3.090 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0384
.011	1.0669
.015	.9602
.022	.8606
.026	.7726
.027	.7998
.044	.6059
.068	.3786
.098	.1103
.128	-.1520
.129	-.1345
.163	-.3100
.197	-.4899
.214	-.5632
.235	-.3805
.262	-.2121

MACH (3) = .802 ALPHA (11) = 4.040 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0292
.011	1.0706
.015	.9723
.022	.8753
.026	.7957
.027	.8144
.044	.6330
.068	.3962
.098	.1332
.128	-.1320
.129	-.1111
.163	-.2972
.197	-.4644
.214	-.5296
.235	-.3698
.262	-.2107

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (3) = .801 ALPHA (12) = 5.130 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0270
.011	1.0783
.015	.9868
.022	.9092
.026	.8272
.027	.8492
.044	.6717
.068	.4434
.098	.1826
.128	-.0794
.129	-.0667
.163	-.2501
.197	-.4371
.214	-.5103
.235	-.3700
.262	-.2049

MACH (3) = .801 ALPHA (13) = 8.180 RN/L = 3.9150 PO = 2088.0 Q(PSF) = 615.65 P = 1366.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0291
.011	1.0771
.015	1.0134
.022	.9355
.026	.8607
.027	.8779
.044	.7014
.068	.4843
.098	.2305
.128	-.0385
.129	-.0247
.163	-.2116
.197	-.3970
.214	-.4769
.235	-.3631
.262	-.2055

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (4) = .902 ALPHA (1) = -8.070 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9385
.011	.9327
.015	.7691
.022	.6697
.026	.5624
.027	.5934
.044	.4043
.068	.1742
.098	-.0815
.128	-.3578
.129	-.3240
.163	-.4866
.197	-.6524
.214	-.7399
.235	-.7949
.262	-.6902

MACH (4) = .901 ALPHA (2) = -6.100 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9734
.011	.9759
.015	.8254
.022	.7208
.026	.6174
.027	.6500
.044	.4551
.068	.2267
.098	-.0416
.128	-.3327
.129	-.2832
.163	-.4363
.197	-.6168
.214	-.7062
.235	-.7854
.262	-.6757

ARC14-143-1((IA137)TANK(T36),331 IN..TANK SURFACE (RNY001)

MACH (4) = .901 ALPHA (3) = -4.080 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0025
.011	1.0178
.015	.8707
.022	.7746
.026	.6716
.027	.6998
.044	.5040
.068	.2736
.098	.0037
.128	-.2892
.129	-.2077
.163	-.3933
.197	-.5832
.214	-.6833
.235	-.7637
.262	-.6522

MACH (4) = .901 ALPHA (4) = -3.030 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0165
.011	1.0419
.015	.9003
.022	.7881
.026	.6873
.027	.7229
.044	.5306
.068	.3005
.098	.0285
.128	-.2685
.129	-.1874
.163	-.3375
.197	-.5794
.214	-.6768
.235	-.7550
.262	-.6453

ARC14-143-1((IA137)TANK(T36).331 IN.,TANK SURFACE (RNY001)

MACH (4) = .902 ALPHA (5) = -2.020 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0266
.011	1.0526
.015	.9207
.022	.8167
.026	.7212
.027	.7520
.044	.5483
.068	.3220
.098	.0586
.128	-.2291
.129	-.1708
.163	-.3450
.197	-.5634
.214	-.6612
.235	-.7381
.262	-.6283

MACH (4) = .902 ALPHA (6) = -1.010 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0378
.011	1.0653
.015	.9398
.022	.8303
.026	.7428
.027	.7690
.044	.5796
.068	.3489
.098	.0778
.128	-.2023
.129	-.1567
.163	-.3370
.197	-.5377
.214	-.6521
.235	-.7298
.262	-.6181

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (4) = .902 ALPHA (7) = .080 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0551
.011	1.0813
.015	.9560
.022	.8608
.026	.7654
.027	.7867
.044	.5962
.068	.3704
.098	.1093
.128	-.1776
.129	-.1373
.163	-.3250
.197	-.5289
.214	-.6385
.235	-.7081
.262	-.5999

MACH (4) = .902 ALPHA (8) = 1.300 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0731
.011	1.1062
.015	.9805
.022	.8620
.026	.7944
.027	.8197
.044	.6315
.068	.4005
.098	.1413
.128	-.1452
.129	-.1089
.163	-.3046
.197	-.5151
.214	-.6196
.235	-.6893
.262	-.5862

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (4) = .902 ALPHA (9) = 2.160 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0762
.011	1.1108
.015	.9937
.022	.8986
.026	.8115
.027	.8388
.044	.6541
.068	.4213
.098	.1570
.128	-.1228
.129	-.0933
.163	-.2825
.197	-.5010
.214	-.6030
.235	-.6802
.262	-.6739

MACH (4) = .900 ALPHA (10) = 3.220 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0907
.011	1.1156
.015	1.0105
.022	.9143
.026	.8288
.027	.8581
.044	.6740
.068	.4292
.098	.1746
.128	-.1040
.129	-.0757
.163	-.2559
.197	-.4856
.214	-.5905
.235	-.6725
.262	-.6569

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ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (4) = .900 ALPHA (11) = 4.210 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0795
.011	1.1226
.015	1.0214
.022	.9306
.026	.9567
.027	.6722
.044	.6887
.068	.4640
.098	.1992
.128	-.0713
.129	-.0505
.163	-.2247
.197	-.4647
.214	-.5758
.235	-.6539
.262	-.5375

MACH (4) = .900 ALPHA (12) = 6.240 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0818
.011	1.1262
.015	1.0454
.022	.9599
.026	.8833
.027	.9110
.044	.7318
.068	.5090
.098	.2462
.128	-.0240
.129	-.0027
.163	-.1898
.197	-.4329
.214	-.5471
.235	-.6190
.262	-.5102

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (4) = .899 ALPHA (13) = 8.230 RN/L = 4.0307 PO = 2086.8 Q(PSF) = 700.66 P = 1232.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0804
.011	1.1243
.015	1.0644
.022	.9841
.026	.9183
.027	.9317
.044	.7626
.068	.5460
.098	.2840
.128	.0162
.129	.0314
.163	-.1557
.197	-.3996
.214	-.5111
.235	-.5936
.262	-.4803

MACH (5) = .950 ALPHA (1) = -8.030 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9709
.011	.9695
.015	.7995
.022	.6957
.026	.6952
.027	.6359
.044	.4544
.068	.2328
.098	-.0276
.128	-.2742
.129	-.2519
.163	-.4282
.197	-.5851
.214	-.6674
.235	-.7363
.262	-.6361

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (5) = .952 ALPHA (2) = -6.090 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0042
.011	1.0162
.015	.8569
.022	.7499
.026	.6665
.027	.6852
.044	.5013
.068	.2619
.098	.0201
.128	-.2360
.129	-.2131
.163	-.3810
.197	-.5514
.214	-.6399
.235	-.6984
.262	-.6102

MACH (5) = .954 ALPHA (3) = -4.060 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0361
.011	1.0549
.015	.9131
.022	.8164
.026	.7157
.027	.7356
.044	.5461
.068	.3251
.098	.0673
.128	-.2081
.129	-.1723
.163	-.3368
.197	-.5101
.214	-.6041
.235	-.6686
.262	-.5844

ARC14-143-1([A137)TANK(T36).331 IN.,TANK SURFACE (RNY001)

MACH (5) = .954 ALPHA (4) = -2.990 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0510
.011	1.0730
.015	.9346
.022	.8339
.026	.7412
.027	.7853
.044	.5792
.068	.3550
.098	.0968
.128	-.1832
.129	-.1443
.163	-.3173
.197	-.4936
.214	-.5886
.235	-.6578
.262	-.5738

MACH (5) = .954 ALPHA (5) = -2.000 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0581
.011	1.0868
.015	.9500
.022	.8526
.026	.7646
.027	.7857
.044	.5965
.068	.3748
.098	.1148
.128	-.1696
.129	-.0918
.163	-.2748
.197	-.4760
.214	-.5736
.235	-.6467
.262	-.5637

ARC14-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (5) = .951 ALPHA (6) = -.940 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0720
.011	1.0966
.015	.9735
.022	.8779
.026	.7828
.027	.8093
.044	.6215
.068	.3993
.098	.1399
.128	-.1486
.129	-.0850
.163	-.2599
.197	-.4680
.214	-.5657
.235	-.6427
.252	-.5604

MACH (5) = .951 ALPHA (7) = .050 RN/L = 4.0164 , PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0851
.011	1.1095
.015	.9880
.022	.8884
.026	.8010
.027	.8231
.044	.6460
.068	.4202
.098	.1649
.128	-.1206
.129	-.0699
.163	-.2318
.197	-.4537
.214	-.5543
.235	-.6342
.252	-.5477

ARC14-143-1([IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (5) = .950 ALPHA (8) = 1.140 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0984
.011	1.1239
.015	1.0089
.022	.9088
.026	.8287
.027	.8483
.044	.6667
.068	.4436
.098	.1830
.128	-.0998
.129	-.0578
.163	-.2344
.197	-.4427
.214	-.5408
.235	-.6244
.262	-.5377

MACH (5) = .950 ALPHA (9) = 2.180 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1072
.011	1.1474
.015	1.0318
.022	.9356
.026	.8463
.027	.8638
.044	.6938
.068	.4650
.098	.2025
.128	-.0656
.129	-.0354
.163	-.2210
.197	-.4203
.214	-.5280
.235	-.6051
.262	-.5227

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ARC14-143-1([IA137)TANK(T36),.331 IN.,TANK SURFACE (RNY001)

MACH (5) = .951 ALPHA (10) = 3.230 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1167
.011	1.1482
.015	1.0450
.022	.9506
.026	.8696
.027	.8837
.044	.7112
.068	.4890
.098	.2324
.128	-.0405
.129	-.0118
.163	-.2023
.197	-.4068
.214	-.5127
.235	-.5888
.252	-.5059

MACH (5) = .950 ALPHA (11) = 4.180 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1056
.011	1.1545
.015	1.0485
.022	.9587
.026	.8880
.027	.9043
.044	.7271
.068	.5053
.098	.2503
.128	-.0270
.129	.0040
.163	-.1853
.197	-.4014
.214	-.5027
[illegible]	-.831
.252	-.5010

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (5) = .951 ALPHA (12) = 6.170 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1077
.011	1.1567
.015	1.0831
.022	.9969
.026	.9151
.027	.9380
.044	.7653
.068	.5503
.098	.2885
.128	.0303
.129	.0464
.163	-.1350
.197	-.3656
.214	-.4690
.235	-.5481
.262	-.4618

MACH (5) = .950 ALPHA (13) = 8.250 RN/L = 4.0164 PO = 2087.1 Q(PSF) = 738.86 P = 1165.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1141
.011	1.1552
.015	1.0949
.022	1.0165
.026	.9445
.027	.9743
.044	.8014
.068	.5833
.098	.3360
.128	.0857
.129	.0861
.163	-.0937
.197	-.3355
.214	-.4415
.235	-.5223
.262	-.4381

ARC14-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (6) = 1.051 ALPHA (1) = -8.080 RN/L = 3.9757 PO = 2086.9 . Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0472
.011	1.0422
.015	.8895
.022	.7850
.026	.6945
.027	.7327
.044	.5457
.068	.3378
.098	.0993
.128	-.1246
.129	-.1080
.163	-.2884
.197	-.4257
.214	-.5040
.235	-.5686
.262	-.4965

MACH (6) = 1.054 ALPHA (2) = -6.050 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.65 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0791
.011	1.0930
.015	.9379
.022	.8414
.026	.7551
.027	.7895
.044	.6040
.068	.3906
.098	.1491
.128	-.0731
.129	-.0606
.163	-.2474
.197	-.3853
.214	-.4637
.235	-.5368
.262	-.4616

ARC14-143-1([IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (6) = 1.055 ALPHA (3) = -4.010 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1049
.011	1.1304
.015	.9920
.022	.8926
.026	.8027
.027	.8312
.044	.6398
.068	.4300
.098	.1913
.128	-.0481
.129	-.0259
.163	-.2066
.197	-.3515
.214	-.4352
.235	-.5115
.262	-.4399

MACH (6) = 1.051 ALPHA (4) = -2.960 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1201
.011	1.1410
.015	.9934
.022	.9149
.026	.8287
.027	.8486
.044	.6680
.068	.4533
.098	.2124
.128	-.0386
.129	-.0119
.163	-.1912
.197	-.3425
.214	-.4301
.235	-.5007
.262	-.4342

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (6) = 1.053 ALPHA (5) = -1.780 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1356
.011	1.1563
.015	1.0342
.022	.9420
.026	.8576
.027	.8777
.044	.6950
.068	.4814
.098	.2449
.128	-.0246
.129	.0108
.163	-.1728
.197	-.3244
.214	-.4144
.235	-.4881
.262	-.4214

MACH (6) = 1.051 ALPHA (6) = -.910 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1426
.011	1.1637
.015	1.0489
.022	.9524
.026	.8684
.027	.8920
.044	.7018
.068	.4995
.098	.2576
.128	-.0139
.129	.0253
.163	-.1516
.197	-.3148
.214	-.4059
.235	-.4782
.262	-.4089

ARC14-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (6) = 1.051 ALPHA (7) = .280 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1625
.011	1.1736
.015	1.0658
.022	.9728
.026	.8906
.027	.9100
.044	.7372
.068	.5209
.098	.2790
.128	.0092
.129	.0770
.163	-.1276
.197	-.2999
.214	-.3898
.235	-.4656
.262	-.4005

MACH (6) = 1.051 ALPHA (8) = 1.210 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1704
.011	1.1979
.015	1.0841
.022	.9657
.026	.9133
.027	.9321
.044	.7581
.068	.5430
.098	.2951
.128	.0368
.129	.0848
.163	-.1973
.197	-.2819
.214	-.3780
.235	-.4661
.262	-.3887

ARC14-143-1([A137)TANK(T36).331 IN.,TANK SURFACE (RNY001)

MACH (6) = 1.051 ALPHA (9) = 2.190 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1741
.011	1.2095
.015	1.1021
.022	.9999
.026	.9288
.027	.9488
.044	.7662
.068	.5660
.098	.3224
.128	.0652
.129	.0955
.163	-.0736
.197	-.2716
.214	-.3679
.235	-.4456
.262	-.3800

MACH (6) = 1.051 ALPHA (10) = 3.240 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1849
.011	1.2154
.015	1.1145
.022	1.0265
.026	.9501
.027	.9721
.044	.7982
.068	.5878
.098	.3423
.128	.0828
.129	.1138
.163	-.0575
.197	-.2535
.214	-.3526
.235	-.4287
.262	-.3622

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (6) = 1.051 ALPHA (11) = 4.240 RN/L = 3.9757 PO = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1868
.011	1.2215
.015	1.1274
.022	1.0354
.026	.9674
.027	.9867
.044	.8169
.068	.6027
.098	.3610
.128	.1014
.129	.1266
.163	-.0492
.197	-.2444
.214	-.3370
.235	-.4199
.262	-.3525

MACH (6) = 1.050 ALPHA (12) = 6.270 RN/L = 3.9757 PO = 2085.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1778
.011	1.2206
.015	1.1466
.022	1.0561
.026	.9840
.027	1.0095
.044	.8557
.068	.6474
.098	.4003
.128	.1471
.129	.1629
.163	-.0153
.197	-.2156
.214	-.3201
.235	-.3928
.262	-.3299

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (6) = 1.050 ALPHA (13) = 8.360 RN/L = 3.9757 PO. = 2086.9 Q(PSF) = 802.66 P = 1037.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1835
.011	1.2261
.015	1.1616
.022	1.0986
.026	1.0291
.027	1.0415
.044	.8865
.068	.6756
.098	.4433
.128	.1937
.129	.2091
.163	.0424
.197	-.1797
.214	-.2849
.235	-.3622
.262	-.2970

MACH (7) = 1.088 ALPHA (1) = -8.030 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0814
.011	1.0743
.015	.9291
.022	.9298
.026	.7408
.027	.7702
.044	.5958
.068	.3826
.098	.1521
.128	-.0426
.129	-.0429
.163	-.2317
.197	-.3660
.214	-.4438
.235	-.5094
.262	-.4415

ARC14-143-1([A137)TANK(T36).331 IN.,TANK SURFACE (RNY001)

MACH (7) = 1.090 ALPHA (2) = -6.030 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1102
.011	1.1131
.015	.9750
.022	.8796
.026	.7888
.027	.8138
.044	.6351
.068	.4316
.098	.1898
.128	.0011
.129	-.0040
.163	-.1999
.197	-.3350
.214	-.4192
.235	-.4882
.262	-.4194

MACH (7) = 1.090 ALPHA (3) = -3.960 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1321
.011	1.1529
.015	1.0164
.022	.9274
.026	.8468
.027	.8555
.044	.6828
.068	.4793
.098	.2407
.128	.0304
.129	.0296
.163	-.1494
.197	-.3003
.214	-.3837
.235	-.4555
.262	-.3919

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ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY001)

MACH (7) = 1.091 ALPHA (4) = -3.000 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1462
.011	1.1765
.015	1.0338
.022	.9542
.026	.8685
.027	.8847
.044	.7106
.068	.5001
.098	.2620
.128	.0406
.129	.0463
.163	-.1339
.197	-.2854
.214	-.3712
.235	-.4417
.262	-.3803

MACH (7) = 1.091 ALPHA (5) = -1.880 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1620
.011	1.1839
.015	1.0513
.022	.9678
.026	.8841
.027	.9045
.044	.7303
.068	.5245
.098	.2843
.128	.0597
.129	.0673
.163	-.1166
.197	-.2678
.214	-.3528
.235	-.4258
.262	-.3638

ARC14-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (7) = 1.091 ALPHA (6) = -.860 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1748
.011	1.1919
.015	1.0837
.022	.9886
.026	.9128
.027	.9260
.044	.7604
.068	.5490
.098	.3105
.128	.0725
.129	.0988
.163	-.0949
.197	-.2536
.214	-.3377
.235	-.4123
.262	-.3516

MACH (7) = 1.092 ALPHA (7) = .080 RN/L = 3.8921 PO = 2098.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1795
.011	1.2059
.015	1.0962
.022	1.0055
.026	.9322
.027	.9435
.044	.7680
.068	.5672
.098	.3218
.128	.0955
.129	.1148
.163	-.0734
.197	-.2391
.214	-.3290
.235	-.4032
.262	-.3406

ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE (RNY001)

MACH (7) = 1.091 ALPHA (8) = 1.180 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1958
.011	1.2304
.015	1.1099
.022	1.0262
.026	.9530
.027	.9629
.044	.7877
.068	.5848
.098	.3499
.128	.1206
.129	.1316
.163	-.0416
.197	-.2203
.214	-.3145
.235	-.3899
.262	-.3278

MACH (7) = 1.091 ALPHA (9) = 2.140 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2039
.011	1.2365
.015	1.1241
.022	1.0420
.026	.9659
.027	.9815
.044	.8114
.068	.6063
.098	.3660
.128	.1360
.129	.1451
.153	-.0149
.197	-.2076
.214	-.3012
.235	-.3784
.262	-.3193

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (7) = 1.090 ALPHA (10) = 3.230 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2147
.011	1.2379
.015	1.1448
.022	1.0568
.026	.9776
.027	.9914
.044	.8270
.068	.6327
.098	.3872
.128	.1524
.129	.1592
.163	-.0022
.197	-.1992
.214	-.2907
.235	-.3673
.262	-.3093

MACH (7) = 1.090 ALPHA (11) = 4.240 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2044
.011	1.2443
.015	1.1525
.022	1.0749
.026	1.0061
.027	1.0159
.044	.8579
.068	.6528
.098	.4134
.128	.1743
.129	.1778
.163	.0076
.197	-.1869
.214	-.2767
.235	-.3564
.262	-.2927

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY001)

MACH (7) = 1.089 ALPHA (12) = 6.250 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2059
.011	1.2522
.015	1.1741
.022	1.0934
.026	1.0344
.027	1.0458
.044	.8974
.068	.6656
.098	.4501
.128	.2156
.129	.2139
.163	.0380
.197	-.1636
.214	-.2593
.235	-.3319
.262	-.2743

MACH (7) = 1.088 ALPHA (13) = 8.240 RN/L = 3.8921 PO = 2088.1 Q(PSF) = 823.45 P = 990.07

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2075
.011	1.2513
.015	1.1913
.022	1.1226
.026	1.0594
.027	1.0679
.044	.9098
.068	.7167
.098	.4778
.128	.2490
.129	.2482
.163	.0880
.197	-.1267
.214	-.2275
.235	-.3052
.262	-.2418

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
DREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

MACH (1) = .550 ALPHA (1) = -8.160 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7740
.011	.7744
.015	.6014
.022	.4809
.026	.3922
.027	.4215
.044	.2205
.068	-.0171
.098	-.3034
.128	-1.2706
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (2) = -6.100 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8128
.011	.8158
.015	.6589
.022	.5523
.026	.4367
.027	.4784
.044	.2716
.068	.0347
.098	-.2713
.128	-1.2500
.129	.0000
.163	.0000
.197	.0000
.214	.0000

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ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (1) = .550 ALPHA (2) = -6.100

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (3) = -4.120 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8446
.011	.8639
.015	.7027
.022	.6033
.026	.5017
.027	.5403
.044	.3371
.068	.0799
.098	-.2155
.128	-1.2207
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (4) = -3.100 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8635
.011	.8738
.015	.7381
.022	.6320
.026	.5285
.027	.5551
.044	.3499
.068	.1047
.098	-.2019
.128	-1.2131
.129	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (1) = .551 ALPHA (4) = -3.100

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (5) = -2.080 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8725
.011	.9034
.015	.7651
.022	.6518
.026	.5535
.027	.5776
.044	.3797
.068	.1320
.098	-.1839
.128	-1.2003
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (6) = -1.120 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8913
.011	.9193
.015	.7850
.022	.6823
.026	.5735
.027	.6032
.044	.3971
.068	.1503

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ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (1) = .550 ALPHA (6) = -1.120

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.098	-.1560
.128	-1.1910
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (7) = .000 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9038
.011	.9423
.015	.8023
.022	.6941
.026	.6046
.027	.6286
.044	.4279
.068	.1732
.098	-.1400
.128	-1.1784
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (8) = 1.090 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9228
.011	.9600
.015	.8288
.022	.7203
.026	.6310

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (1) = .551 ALPHA (8) = 1.090

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.027	.6598
.044	.4575
.068	.2066
.098	-.1092
.128	-1.1514
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (9) = 2.080 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9412
.011	.9652
.015	.8428
.022	.7434
.026	.6540
.027	.6711
.044	.4712
.068	.2348
.098	-.0935
.128	-1.1457
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (1) = .551 ALPHA (10) = 3.030 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9191
.011	.9717
.015	.8540
.022	.7598
.026	.6814
.027	.6878
.044	.4896
.068	.2481
.098	-.0722
.128	-1.1269
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (11) = 4.050 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9210
.011	.9788
.015	.8749
.022	.7740
.026	.7018
.027	.7154
.044	.5325
.068	.2730
.098	-.0429
.128	-1.1141
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (1) = .551 ALPHA (12) = 6.150 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9378
.011	.9830
.015	.8984
.022	.8111
.026	.7374
.027	.7443
.044	.5680
.068	.3173
.098	.0012
.128	-1.0864
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (13) = 8.110 RN/L = 3.2514 PO = 2116.9 Q(PSF) = 365.61 P = 1722.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9376
.011	.9800
.015	.9140
.022	.8390
.026	.7674
.027	.7726
.044	.5930
.068	.3585
.098	.0400
.128	-1.0594
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (2) = .704 ALPHA (1) = -8.120 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8386
.011	.8303
.015	.6557
.022	.5409
.026	.4430
.027	.4745
.044	.2752
.068	.0331
.098	-.2519
.128	-.7984
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .701 ALPHA (2) = -6.090 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8707
.011	.8809
.015	.7177
.022	.5978
.026	.4933
.027	.5296
.044	.3217
.068	.0805
.098	-.2120
.128	-.7991
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (2) = .700 ALPHA (3) = -4.000 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9023
.011	.9106
.015	.7703
.022	.6617
.026	.5545
.027	.5848
.044	.3780
.068	.1350
.098	-.1598
.128	-.8001
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .699 ALPHA (4) = -3.050 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9190
.011	.9283
.015	.7889
.022	.6774
.026	.5797
.027	.6062
.044	.4009
.068	.1539
.098	-.1472
.128	-.8029
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF. (RNY002)

MACH (2) = .700 ALPHA (5) = -2.030 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.3278
.011	.9524
.015	.8163
.022	.7035
.026	.6044
.027	.6338
.044	.4326
.068	.1832
.099	-.1262
.128	-.7918
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .700 ALPHA (6) = -1.000 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9436
.011	.9634
.015	.8316
.022	.7208
.026	.6270
.027	.6555
.044	.4600
.069	.2067
.099	-.1060
.128	-.7809
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (2) = .699 ALPHA (7) = .060 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9585
.011	.9877
.015	.8601
.022	.7544
.026	.6493
.027	.6727
.044	.4692
.068	.2223
.098	-.0914
.128	-.7766
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .700 ALPHA (8) = 1.130 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9763
.011	1.0068
.015	.8734
.022	.7754
.026	.6763
.027	.7011
.044	.5005
.068	.2455
.098	-.0606
.128	-.7634
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (2) = .703 ALPHA (9) = 2.150 RN/L = 3.7193 P0 = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9839
.011	1.0191
.015	.8898
.022	.7989
.026	.7066
.027	.7251
.044	.5287
.068	.2901
.098	-.0370
.128	-.7458
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .701 ALPHA (10) = 3.180 RN/L = 3.7193 P0 = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9910
.011	1.0233
.015	.9139
.022	.8036
.026	.7276
.027	.7489
.044	.5460
.068	.2945
.098	-.0242
.128	-.7379
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (2) = .702 ALPHA (11) = 4.120 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9727
.011	1.0272
.015	.9264
.022	.9280
.026	.7483
.027	.7621
.044	.5658
.068	.3191
.098	.0014
.128	-.7245
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .701 ALPHA (12) = 5.200 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9872
.011	1.0344
.015	.9454
.022	.9536
.026	.7821
.027	.7945
.044	.6089
.068	.3600
.098	.0426
.128	-.7087
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (2) = .699 ALPHA (13) = 8.290 RN/L = 3.7193 PO = 2115.1 Q(PSF) = 523.84 P = 1523.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9820
.011	1.0264
.015	.9885
.022	.8936
.026	.8119
.027	.8021
.044	.6465
.066	.3947
.088	.0924
.128	-.6978
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .798 ALPHA (1) = -8.200 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8742
.011	.8750
.015	.7054
.022	.5897
.026	.4900
.027	.5609
.044	.3166
.066	.0814
.088	-.1992
.128	-.6117
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (3) = .799 ALPHA (2) = -6.130 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9157
.011	.9297
.015	.7645
.022	.6503
.026	.5561
.027	.5817
.044	.3751
.068	.1376
.098	-.1531
.128	-.5739
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235.	.0000
.262	.0000

MACH (3) = .797 ALPHA (3) = -4.100 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9427
.011	.9608
.015	.8159
.022	.7005
.026	.6062
.027	.6329
.044	.4287
.068	.1850
.098	-.1096
.128	-.5600
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (3) = .801 ALPHA (4) = -3.130 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9600
.011	.9875
.015	.8394
.022	.7283
.026	.6332
.027	.6555
.044	.4525
.068	.2034
.098	-.0911
.128	-.5444
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .801 ALPHA (5) = -2.120 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9737
.011	1.0026
.015	.8601
.022	.7501
.026	.6620
.027	.6818
.044	.4672
.068	.2360
.098	-.0569
.128	-.5318
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (3) = .798 ALPHA (6) = -1.100 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9848
.011	1.0072
.015	.8739
.022	.7706
.026	.6936
.027	.7044
.044	.4995
.068	.2584
.098	-.0372
.128	-.5276
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .799 ALPHA (7) = -.060 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0024
.011	1.0325
.015	.8976
.022	.7911
.026	.7091
.027	.7253
.044	.5228
.068	.2808
.098	-.0107
.128	-.5101
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (3) = .798 ALPHA (8) = .980 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0130
.011	1.0475
.015	.9164
.022	.8175
.026	.7292
.027	.7465
.044	.5494
.068	.3064
.098	.0070
.128	-.5067
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .798 ALPHA (9) = 2.020 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0219
.011	1.0569
.015	.9292
.022	.8378
.026	.7489
.027	.7743
.044	.5679
.068	.3292
.098	.0274
.128	-.4958
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (3) = .798 ALPHA (10) = 3.060 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0387
.011	1.0646
.015	.9517
.022	.8505
.026	.7767
.027	.7876
.044	.5908
.068	.3526
.098	.0559
.128	-.4824
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .804 ALPHA (11) = 4.060 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0216
.011	1.0714
.015	.9658
.022	.8710
.026	.7910
.027	.8076
.044	.6170
.068	.3779
.098	.0777
.128	-.4601
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (3) = .799 ALPHA (12) = 6.110 RN/L = 3.9157 PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0212
.011	1.0731
.015	.9875
.022	.8978
.026	.8239
.027	.8348
.044	.6557
.068	.4131
.098	.1095
.128	-.4589
.12[illegible]	.0000
.03	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .800 ALPHA (13) = 8.186 RN/L = 3.915[illegible] PO = 2113.1 Q(PSF) = 620.33 P = 1387.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0310
.011	1.0720
.015	1.0096
.022	.9235
.026	.8572
.027	.8680
.044	.6914
.068	.4553
.099	.1556
.128	-.4379
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (4) = .900 ALPHA (1) = -8.110 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9401
.011	.9368
.015	.7708
.022	.6628
.026	.5648
.027	.5003
.044	.3945
.068	.1691
.098	-.0988
.128	-.3998
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .901 ALPHA (2) = -6.010 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9760
.011	.9873
.015	.8299
.022	.7160
.026	.6223
.027	.5502
.044	.4494
.068	.2169
.098	-.0507
.128	-.3677
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (4) = .900 ALPHA (3) = -3.940 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0021
.011	1.0265
.015	.8687
.022	.7700
.026	.6795
.027	.6962
.044	.5056
.068	.2703
.098	-.0085
.128	-.3446
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .901 ALPHA (4) = -1.990 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0301
.011	1.0514
.015	.9162
.022	.8106
.026	.7252
.027	.7411
.044	.5479
.068	.3145
.098	.0350
.128	-.3184
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (4) = .901 ALPHA (5) = -1.000 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0422
.011	1.0659
.015	.9359
.022	.8319
.026	.7462
.027	.7688
.044	.5695
.068	.3402
.098	.0590
.128	-.3084
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .902 ALPHA (6) = .060 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0542
.011	1.0831
.015	.9575
.022	.8538
.026	.7706
.027	.7872
.044	.5969
.068	.3659
.098	.0870
.128	-.2952
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (4) = .901 ALPHA (7) = 1.100 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0649
.011	1.0983
.015	.9710
.022	.8781
.026	.7931
.027	.8103
.044	.6282
.068	.3791
.098	.1053
.128	-.2854
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .901 ALPHA (8) = 2.170 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0769
.011	1.1121
.015	.9884
.022	.8975
.026	.8109
.027	.8256
.044	.6395
.068	.4092
.098	.1328
.128	-.2774
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (4) = .901 ALPHA (9) = 3.130 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0893
.011	1.1163
.015	1.0053
.022	.9087
.026	.8312
.027	.8474
.044	.6575
.068	.4271
.098	.1508
.128	-.2673
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .900 ALPHA (10) = 4.150 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0756
.011	1.1213
.015	1.0186
.022	.9227
.026	.8507
.027	.8670
.044	.6765
.068	.4442
.098	.1663
.128	-.2596
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1((IA137)TANK(T36).264.8 IN..TANK SURF. (RNY002)

MACH (4) = .900 ALPHA (11) = 6.210 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0776
.011	1.1257
.015	1.0377
.022	.9518
.026	.9835
.027	.6948
.044	.7162
.068	.4655
.098	.2088
.128	-.2452
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .900 ALPHA (12) = 8.220 RN/L = 3.9900 PO = 2113.1 Q(PSF) = 708.93 P = 1248.5

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0797
.011	1.1233
.015	1.0655
.022	.9829
.026	.9140
.027	.9248
.044	.7520
.068	.5256
.098	.2495
.128	-.2293
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137)TANK(T36).264.8 IN..TANK SURF. (RNY002)

MACH (5) = .947 ALPHA (1) = -8.090 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9708
.011	.9664
.015	.8040
.022	.6983
.026	.6037
.027	.6356
.044	.4434
.068	.2208
.098	-.0395
.128	-.3192
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .949 ALPHA (2) = -6.060 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0034
.011	1.0113
.015	.8574
.022	.7512
.026	.6486
.027	.6953
.044	.4692
.068	.2784
.098	.0113
.128	-.2785
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (5) = .951 ALPHA (3) = -3.980 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0290
.011	1.0428
.015	.9054
.022	.8044
.026	.7002
.027	.7366
.044	.5452
.068	.3131
.098	.0574
.128	-.2476
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .951 ALPHA (4) = -3.030 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0460
.011	1.0636
.015	.9251
.022	.8311
.026	.7238
.027	.7653
.044	.5651
.068	.3408
.098	.0789
.128	-.2360
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (5) = .951 ALPHA (5) = -1.950 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0618
.011	1.0794
.015	.9506
.022	.8505
.026	.7523
.027	.7852
.044	.5984
.068	.3675
.098	.1024
.128	-.2282
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .949 ALPHA (6) = -.990 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.04 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0712
.011	1.0888
.015	.9702
.022	.8676
.026	.7747
.027	.8097
.044	.6061
.068	.3834
.098	.1133
.128	-.2179
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (5) = .951 ALPHA (7) = .080 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 32.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0862
.011	1.1107
.015	.9886
.022	.8862
.026	.7979
.027	.8278
.044	.6394
.088	.4131
.098	.1446
.128	-.2020
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .951 ALPHA (8) = 1.110 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0950
.011	1.1266
.015	1.0080
.022	.9098
.026	.8229
.027	.8558
.044	.6611
.088	.4333
.098	.1706
.128	-.1916
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (5) = .950 ALPHA (9) = 2.120 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1049
.011	1.1427
.015	1.0219
.022	.9230
.026	.8423
.027	.8662
.044	.6798
.068	.4515
.098	.1851
.128	-.1859
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .950 ALPHA (10) = 3.140 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1186
.011	1.1459
.015	1.0416
.022	.9493
.026	.8633
.027	.8899
.044	.7018
.068	.4744
.098	.2017
.128	-.1765
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (5) = .950 ALPHA (11) = 4.170 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1133
.011	1.1510
.015	1.0501
.022	.9574
.026	.8792
.027	.9025
.044	.7224
.068	.4950
.098	.2292
.128	-.1669
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .949 ALPHA (12) = 6.280 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1070
.011	1.1498
.015	1.0728
.022	.9891
.026	.9136
.027	.9348
.044	.7578
.068	.5333
.098	.2626
.128	-.1510
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137]TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (5) = .950 ALPHA (13) = 8.320 RN/L = 4.0043 PO = 2113.7 Q(PSF) = 746.94 P = 1182.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1093
.011	1.1538
.015	1.0959
.022	1.0103
.026	.9411
.027	.9616
.044	.7926
.068	.5734
.098	.3003
.128	-.1377
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.051 ALPHA (1) = -8.140 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0502
.011	1.0412
.015	.8937
.022	.7688
.026	.6976
.027	.7261
.044	.5432
.068	.3310
.098	.0987
.128	-.1593
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((1A137)TANK(T36),264.8 IN.,TANK SUR'. (RNY002)

MACH (6) = 1.051 ALPHA (2) = -6.070 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0793
.011	1.0813
.015	.9449
.022	.8351
.026	.7453
.027	.7757
.044	.5976
.069	.3806
.098	.1377
.128	-.1219
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.051 ALPHA (3) = -3.870 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0966
.011	1.1209
.015	.9870
.022	.8927
.026	.8000
.027	.8249
.044	.6406
.069	.4355
.098	.1880
.128	-.0809
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SUR'. (RNY002)

MACH (6) = 1.051 ALPHA (2) = -6.070 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0793
.011	1.0813
.015	.9449
.022	.8351
.026	.7453
.027	.7757
.044	.5976
.069	.3806
.098	.1377
.128	-.1219
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.051 ALPHA (3) = -3.870 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0966
.011	1.1209
.015	.9870
.022	.8407
.026	.8000
.027	.8249
.044	.6406
.069	.4355
.098	.1880
.128	-.0809
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (6) = 1.051 ALPHA (4) = -2.930 RN/L = 3.9664 PO = 2113.5 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1160
.011	1.1426
.015	1.0072
.022	.9132
.026	.8282
.027	.8492
.044	.6635
.068	.4433
.098	.2029
.128	-.0724
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.252	.0000

MACH (6) = 1.050 ALPHA (5) = -1.890 RN/L = 3.9664 PO = 2113.5 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1316
.011	1.1522
.015	1.0278
.022	.9258
.026	.8393
.027	.8573
.044	.6888
.068	.4715
.098	.2223
.128	-.0605
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.252	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (6) = 1.049 ALPHA (6) = -.980 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1383
.011	1.1628
.015	1.0432
.022	.9466
.026	.8627
.027	.8789
.044	.7059
.068	.4936
.098	.2359
.128	-.0544
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.049 ALPHA (7) = .140 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1521
.011	1.1839
.015	1.0632
.022	.9696
.026	.8874
.027	.9057
.044	.7318
.068	.5179
.098	.2633
.128	.0441
.163	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (6) = 1.050 ALPHA (8) = 1.150 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1653
.011	1.1935
.015	1.0733
.022	.9904
.026	.9093
.027	.9288
.044	.7430
.068	.5508
.098	.2835
.128	-.0286
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.049 ALPHA (9) = 2.160 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1703
.011	1.2075
.015	1.0919
.022	1.0065
.026	.9247
.027	.9444
.044	.7699
.068	.5544
.098	.2836
.128	-.0197
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36).264.8 IN.,TANK SURF. (RNY002)

MACH (6) = 1.049 ALPHA (10) = 3.190 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1855
.011	1.2103
.015	1.1099
.022	1.0178
.026	.9471
.027	.9608
.044	.7843
.068	.5700
.098	.3234
.128	-.0100
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.049 ALPHA (11) = 4.250 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1824
.011	1.2166
.015	1.1205
.022	1.0336
.026	.9611
.027	.9765
.044	.8047
.068	.5982
.098	.3426
.128	-.0085
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (6) = 1.051 ALPHA (12) = 6.270 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1755
.011	1.2231
.015	1.1443
.022	1.0603
.026	.9918
.027	1.0089
.044	.8403
.068	.6379
.098	.3791
.128	.0136
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = 1.050 ALPHA (13) = 8.270 RN/L = 3.9664 PO = 2113.6 Q(PSF) = 812.09 P = 1052.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1818
.011	1.2238
.015	1.1558
.022	1.0858
.026	1.0213
.027	1.0378
.044	.8785
.068	.6712
.098	.4160
.128	.0301
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (7) = 1.101 ALPHA (1) = -8.040 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0899
.011	1.0835
.015	.9305
.022	.8348
.026	.7466
.027	.7781
.044	.6000
.068	.3958
.098	.1579
.128	-.0821
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.101 ALPHA (2) = -6.040 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1153
.011	1.1235
.015	.9853
.022	.8857
.026	.7991
.027	.8148
.044	.6444
.068	.4457
.099	.2021
.128	-.0459
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36).264.8 IN.,TANK SURF. (RNY002)

MACH (7) = 1.102 ALPHA (3) = -3.950 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1411
.011	1.1574
.015	1.0302
.022	.9288
.026	.8507
.027	.8692
.044	.6919
.068	.4869
.098	.2475
.128	-.0045
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.099 ALPHA (4) = -2.930 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1526
.011	1.1747
.015	1.0454
.022	.9485
.026	.8727
.027	.8885
.044	.7134
.068	.5051
.098	.2586
.128	.0012
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (7) = 1.099 ALPHA (5) = -1.910 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1619
.011	1.1864
.015	1.0679
.022	.9690
.026	.8901
.027	.9062
.044	.7346
.068	.5261
.098	.2900
.128	.0172
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.100 ALPHA (6) = -.930 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1770
.011	1.1966
.015	1.0874
.022	.9853
.026	.9089
.027	.9278
.044	.7547
.068	.5494
.098	.3127
.128	.0225
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF. (RNY002)

MACH (7) = 1.101 ALPHA (7) = .090 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1915
.011	1.2129
.015	1.0954
.022	1.0093
.026	.9301
.027	.9534
.044	.7729
.068	.5695
.098	.3236
.128	.0347
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.101 ALPHA (8) = 1.120 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1986
.011	1.2302
.015	1.1129
.022	1.0422
.026	.9656
.027	.9665
.044	.8035
.068	.5949
.098	.3469
.128	.0425
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (7) = 1.101 ALPHA (9) = 2.230 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2100
.011	1.2400
.015	1.1265
.022	1.0448
.026	.9711
.027	.9831
.044	.8166
.069	.6101
.098	.3681
.128	.0546
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.100 ALPHA (10) = 3.260 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2176
.011	1.2449
.015	1.1456
.022	1.0627
.026	.9869
.027	1.0038
.044	.8392
.069	.6356
.098	.3854
.128	.0651
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (7) = 1.101 ALPHA (11) = 4.220 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2148
.011	1.2487
.015	1.1553
.022	1.0708
.026	1.0029
.027	1.0206
.044	.8555
.068	.6499
.098	.4058
.128	.0712
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.099 ALPHA (12) = 6.210 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2103
.011	1.2564
.015	1.1778
.022	1.1022
.026	1.0354
.027	1.0528
.044	.8881
.068	.6817
.098	.4348
.128	.0845
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY002)

MACH (7) = 1.099 ALPHA (13) = 8.320 RN/L = 3.9736 PO = 2113.7 Q(PSF) = 838.61 P = 989.57

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2131
.011	1.2542
.015	1.1997
.022	1.1267
.026	1.0664
.027	1.0718
.044	.9198
.068	.7145
.098	.4700
.128	.1004
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY003) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

MACH (1) = .549 ALPHA (1) = -8.160 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7659
.011	.7749
.015	.5935
.022	.4808
.026	.3905
.027	.4168
.044	.2078
.068	-.0162
.098	-.3065
.128	-1.2623
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (2) = -6.130 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8155
.011	.8271
.015	.6539
.022	.5474
.026	.4443
.027	.4786
.044	.2609
.068	.0210
.098	-.2630
.128	-1.2447
.129	.0000
.163	.0000
.197	.0000
.214	.0000

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ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY003)

MACH (1) = .550 ALPHA (2) = -6.130

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.235	.0000
.262	.0000

MACH (1) = .553 ALPHA (3) = -4.070 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8468
.011	.8438
.015	.7237
.022	.6058
.026	.4960
.027	.5339
.044	.3248
.068	.0843
.098	-.2243
.128	-1.2181
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (4) = -3.070 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8608
.011	.8835
.015	.7391
.022	.6295
.026	.5288
.027	.5601
.044	.3480
.068	.1081
.098	-.1995
.128	-1.2170
.129	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY003)

MACH (1) = .550 ALPHA (4) = -3.070

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (5) = -2.060 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8727
.011	.9026
.015	.7629
.022	.6561
.026	.5505
.027	.5933
.044	.3909
.068	.1309
.095	-.1794
.128	-1.1967
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .552 ALPHA (6) = -1.060 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8899
.011	.9095
.015	.7798
.022	.6783
.026	.5785
.027	.6143
.044	.4044
.068	.1531

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY003)

MACH (1) = .552 ALPHA (6) = -1.060

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.098	-.1566
.128	-1.1647
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (7) = -.010 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9110
.011	.9571
.015	.7953
.022	.6898
.026	.5886
.027	.6219
.044	.4199
.069	.1760
.098	-.1329
.128	-1.1754
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (8) = 1.010 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9239
.011	.9547
.015	.8241
.022	.7247
.026	.6201

ARC14-143-1([IA137)TANK(T36),264.8 IN..TANK SURF. (RNY003)

MACH (1) = .550 ALPHA (8) = 1.010

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.027	.6604
.044	.4603
.068	.2093
.098	-.1060
.128	-1.1469
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .552 ALPHA (9) = 2.000 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9353
.011	.9648
.015	.8447
.022	.7310
.026	.6464
.027	.6776
.044	.4699
.068	.2194
.098	-.0900
.128	-1.1567
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY003)

MACH (1) = .552 ALPHA (10) = 3.030 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9391
.011	.9737
.015	.8585
.022	.7506
.026	.6631
.027	.7011
.044	.5104
.068	.2634
.098	-.0587
.128	-1.1188
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (11) = 4.070 RN/L = 3.1936 PO = 21.8.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9156
.011	.9755
.015	.8775
.022	.7782
.026	.6909
.027	.7191
.044	.5197
.068	.2680
.098	-.0514
.128	-1.1181
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY003)

MACH (1) = .552 ALPHA (12) = 6.100 RN/L = 3.1936 PO = 21.8.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9353
.011	.9860
.015	.9016
.022	.8026
.026	.7279
.027	.7540
.044	.5658
.068	.3176
.098	.0057
.128	-1.0805
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .552 ALPHA (13) = 8.140 RN/L = 3.1936 PO = 2118.4 Q(PSF) = 366.34 P = 1723.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9269
.011	.9798
.015	.9170
.022	.8209
.026	.7676
.027	.7778
.044	.5997
.068	.3546
.098	.0390
.128	-1.0580
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004) (02 JUN 76)

REFERENCE DATA PARAMETRIC DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT PHI = .000
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

MACH (1) = .550 ALPHA (1) = -8.190 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.5988
.011	.7201
.015	.4606
.022	.2108
.026	-.1983
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (2) = -6.140 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7309
.011	.7428
.015	.5237
.022	.2517
.026	-.1618
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (1) = .550 ALPHA (2) = -6.140

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.235	.0000
.262	.0000

MACH (1) = .549 ALPHA (3) = -4.150 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7633
.011	.7966
.015	.5639
.022	.2948
.026	-.0884
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .549 ALPHA (4) = -3.140 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7789
.011	.8187
.015	.5815
.022	.3345
.026	-.0638
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000

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ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (1) = .549 ALPHA (4) = -3.140

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (5) = -2.070 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7913
.011	.8342
.015	.6086
.022	.3455
.026	-.0396
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .552 ALPHA (6) = -1.110 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8138
.011	.8515
.015	.6438
.022	.3701
.026	-.0114
.027	.0000
.044	.0000
.068	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (1) = .552 ALPHA (6) = -1.110

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (7) = .020 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8279
.011	.8704
.015	.6501
.022	.3892
.026	-.0093
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .548 ALPHA (8) = 1.030 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8334
.011	.8778
.015	.6705
.022	.4020
.026	-.0217

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (1) = .548 ALPHA (8) = 1.030

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (9) = 2.050 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8449
.011	.8933
.015	.6750
.022	.3975
.026	-.0511
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (1) = .553 ALPHA (10) = 3.100 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8687
.011	.9042
.015	.6869
.022	.4068
.026	-.0564
.027	.0000
.044	.0000
.069	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .552 ALPHA (11) = 4.060 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8701
.011	.9095
.015	.6951
.022	.4106
.026	-.0946
.027	.0000
.044	.0000
.069	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (1) = .552 ALPHA (12) = 6.100 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8305
.011	.9177
.015	.7353
.022	.4289
.026	-.1077
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (13) = 8.140 RN/L = 3.2393 PO = 2122.0 Q(PSF) = 366.34 P = 1726.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8454
.011	.9260
.015	.7580
.022	.4594
.026	-.0993
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (2) = .702 ALPHA (1) = -8.100 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7618
.011	.7769
.015	.5072
.022	.2638
.026	-.1289
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .704 ALPHA (2) = -6.050 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7976
.011	.8097
.015	.5787
.022	.3233
.026	-.0632
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (2) = .699 ALPHA (3) = -4.050 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8160
.011	.8486
.015	.6144
.022	.3527
.026	-.0248
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .705 ALPHA (4) = -3.020 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8301
.011	.8697
.015	.6416
.022	.3770
.026	-.0124
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (2) = .701 ALPHA (5) = -2.030 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8500
.011	.8844
.015	.6642
.022	.4078
.026	.0301
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .700 ALPHA (6) = -.970 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8511
.011	.8986
.015	.6836
.022	.4241
.026	.0290
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (2) = .702 ALPHA (7) = .050 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8722
.011	.9096
.015	.7008
.022	.4377
.026	.0347
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .702 ALPHA (8) = 1.080 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8899
.011	.9274
.015	.7164
.022	.4468
.026	.0251
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (2) = .701 ALPHA (9) = 2.180 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8949
.011	.9457
.015	.7244
.022	.4651
.026	.0207
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .703 ALPHA (10) = 3.160 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9139
.011	.9514
.015	.7446
.022	.4743
.026	.0237
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (2) = .702 ALPHA (11) = 4.190 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9209
.011	.9644
.015	.7578
.022	.4826
.026	.0140
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .704 ALPHA (12) = 5.180 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9008
.011	.9708
.015	.7782
.022	.4983
.026	.0004
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (2) = .702 ALPHA (13) = 8.220 RN/L = 3.6400 PO = 2119.9 Q(PSF) = 526.36 P = 1525.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8912
.011	.9750
.015	.8056
.022	.5214
.026	.0085
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .802 ALPHA (1) = -8.180 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1388.-

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8019
.011	.8209
.015	.6827
.022	.3175
.026	-.0662
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (3) = .803 ALPHA (2) = -6.230 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1388.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8383
.011	.8734
.015	.6093
.022	.3823
.026	-.0208
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.252	.0000

MACH (3) = .796 ALPHA (3) = -4.160 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1385.-

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8612
.011	.8939
.015	.6611
.022	.4009
.026	.0266
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.252	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (3) = .804 ALPHA (4) = -2.110 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1388.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8871
.011	.9309
.015	.7006
.022	.4450
.026	.0611
.027	.0000
.044	.0000
.068	.0000
.096	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .799 ALPHA (5) = -1.070 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1386.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8995
.011	.9387
.015	.7052
.022	.4435
.026	.0605
.027	.0000
.044	.0000
.068	.0000
.096	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (3) = .803 ALPHA (6) = -.020 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1389.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9105
.011	.9524
.015	.7347
.022	.4752
.026	.0741
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .803 ALPHA (7) = .990 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1389.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9224
.011	.9752
.015	.7638
.022	.5000
.026	.0863
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (3) = .801 ALPHA (8) = 2.050 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1388.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9334
.011	.9869
.015	.7711
.022	.5105
.026	.0812
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .801 ALPHA (9) = 2.990 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1388.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9420
.011	.9957
.015	.7866
.022	.5131
.026	.0830
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNYC04)

MACH (3) = .801 ALPHA (10) = 4.090 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1388.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9526
.011	1.0008
.015	.7988
.022	.5354
.026	.0842
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .801 ALPHA (11) = 6.130 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1388.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9573
.011	1.0135
.015	.8301
.022	.5563
.026	.0368
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (3) = .798 ALPHA (12) = 8.100 RN/L = 3.9262 PO = 2118.1 Q(PSF) = 623.35 P = 1388.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9347
.011	1.0161
.015	.8481
.022	.5764
.026	.0922
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .899 ALPHA (1) = -8.090 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8646
.011	.8794
.015	.6254
.022	.3873
.026	.0273
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (4) = .900 ALPHA (2) = -6.090 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8892
.011	.9189
.015	.6780
.022	.4314
.026	.0680
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .898 ALPHA (3) = -4.010 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9131
.011	.9482
.015	.7148
.022	.4705
.026	.0946
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (4) = .903 ALPHA (4) = -3.030 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9307
.011	.9689
.015	.7468
.022	.4911
.026	.1149
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .901 ALPHA (5) = -1.950 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9417
.011	.9738
.015	.7665
.022	.5142
.026	.1284
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (4) = .899 ALPHA (6) = -.960 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9520
.011	.9841
.015	.7848
.022	.5253
.026	.1359
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .901 ALPHA (7) = .090 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9650
.011	1.0074
.015	.7987
.022	.5477
.026	.1516
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (4) = .901 ALPHA (8) = 1.130 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9741
.011	1.0249
.015	.8118
.022	.5598
.026	.1556
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .899 ALPHA (9) = 2.110 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9864
.011	1.0413
.015	.8259
.022	.5747
.026	.1630
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (4) = .905 ALPHA (10) = 3.110 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9986
.011	1.0493
.015	.8478
.022	.5922
.026	.1760
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .901 ALPHA (11) = 4.190 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0117
.011	1.0556
.015	.8623
.022	.6003
.026	.1839
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (4) = .899 ALPHA (12) = 6.170 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0138
.011	1.0668
.015	.8817
.022	.6239
.026	.1913
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .904 ALPHA (13) = 8.270 RN/L = 3.9950 PO = 2116.9 Q(PSF) = 710.56 P = 1250.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9950
.011	1.0681
.015	.9092
.022	.6494
.026	.2151
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (5) = .950 ALPHA (1) = -8.070 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8971
.011	.9140
.015	.6658
.022	.4391
.026	.0904
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .950 ALPHA (2) = -6.040 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9208
.011	.9487
.015	.7075
.022	.4744
.026	.1215
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (5) = .951 ALPHA (3) = -4.030 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9477
.011	.9789
.015	.7563
.022	.5148
.026	.1531
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .951 ALPHA (4) = -3.060 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9578
.011	.9924
.015	.7789
.022	.5328
.026	.1686
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)136 BICONICAL PROBE ALONE (RNY004)

MACH (5) = .950 ALPHA (5) = -1.970 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9703
.011	1.0010
.015	.7954
.022	.5488
.026	.1794
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .950 ALPHA (6) = -1.000 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9818
.011	1.0114
.015	.8169
.022	.5657
.026	.1892
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (5) = .950 ALPHA (7) = .050 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9936
.011	1.0326
.015	.8314
.022	.5835
.026	.1397
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .950 ALPHA (. = 1.130 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0098
.011	1.0582
.015	.8499
.022	.6036
.026	.2109
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (5) = .951 ALPHA (9) = 2.160 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0189
.011	1.0692
.015	.8644
.022	.6171
.026	.2210
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .951 ALPHA (10) = 3.170 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0319
.011	1.0792
.015	.8759
.022	.6293
.026	.2338
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-[illegible]3-1([IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (5) = .950 ALPHA (11) = 4.140 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0373
.011	1.0830
.015	.8981
.022	.6418
.026	.2379
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .952 ALPHA (12) = 6.170 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0467
.011	1.0949
.015	.9152
.022	.6705
.026	.2602
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (5) = .951 ALPHA (13) = 8.220 RN/L = 3.9700 PO = 2117.4 Q(PSF) = 748.77 P = 1183.7

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0232
.011	1.0998
.015	.9421
.022	.6953
.026	.2716
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.099 ALPHA (1) = -8.000 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0053
.011	1.0215
.015	.7965
.022	.5781
.026	.2864
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (6) = 1.102 ALPHA (2) = -6.040 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0305
.011	1.0584
.015	.8322
.022	.6173
.026	.3164
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.103 ALPHA (3) = -4.010 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0528
.011	1.0826
.015	.8801
.022	.6519
.026	.3421
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (6) = 1.101 ALPHA (4) = -3.010 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0636
.011	1.0953
.015	.8887
.022	.6761
.026	.3485
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.105 ALPHA (5) = -1.880 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0770
.011	1.1093
.015	.9126
.022	.6889
.026	.3628
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (6) = 1.096 ALPHA (6) = -.940 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0829
.011	1.1124
.015	.9256
.022	.7014
.026	.3684
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.097 ALPHA (7) = .080 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0958
.011	1.1270
.015	.9443
.022	.7143
.026	.3764
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (6) = 1.096 ALPHA (8) = 1.130 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1087
.011	1.1555
.015	.9558
.022	.7279
.026	.3894
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.100 ALPHA (9) = 2.150 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1247
.011	1.1703
.015	.9742
.022	.7450
.026	.3980
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (6) = 1.100 ALPHA (10) = 3.160 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1296
.011	1.1768
.015	.9901
.022	.7673
.026	.4130
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.099 ALPHA (11) = 4.270 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1353
.011	1.1838
.015	1.0038
.022	.7743
.026	.4221
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (6) = 1.100 ALPHA (12) = 6.250 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1508
.011	1.1929
.015	1.0303
.022	.8017
.026	.4334
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.099 ALPHA (13) = 8.280 RN/L = 3.9964 PO = 2117.7 Q(PSF) = 839.89 P = 992.00

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1302
.011	1.1999
.015	1.0535
.022	.8260
.026	.4569
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (7) = 1.152 ALPHA (1) = -8.010 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0425
.011	1.0613
.015	.8294
.022	.6277
.026	.3466
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.150 ALPHA (2) = -6.060 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0641
.011	1.0911
.015	.8772
.022	.6629
.026	.3670
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (7) = 1.152 ALPHA (3) = -4.010 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0877
.011	1.1234
.015	.9771
.022	.7991
.026	.3909
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.153 ALPHA (4) = -2.990 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0975
.011	1.1347
.015	.9299
.022	.7186
.026	.4020
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (7) = 1.152 ALPHA (5) = -1.960 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1113
.011	1.1360
.015	.9496
.022	.7289
.026	.4106
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.152 ALPHA (6) = -.930 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1198
.011	1.1471
.015	.9661
.022	.7439
.026	.4215
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((1A137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (7) = 1.152 ALPHA (7) = .110 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1321
.011	1.1633
.015	.9822
.022	.7588
.026	.4305
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.150 ALPHA (8) = 1.160 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1440
.011	1.1858
.015	.9933
.022	.7766
.026	.4399
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (7) = 1.150 ALPHA (9) = 2.190 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1520
.011	1.2025
.015	1.0088
.022	.7864
.026	.4514
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.151 ALPHA (10) = 3.130 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1628
.011	1.2097
.015	1.0285
.022	.8007
.026	.4643
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (7) = 1.151 ALPHA (11) = 4.230 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1709
.011	1.2179
.015	1.0407
.022	.8124
.026	.4728
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.150 ALPHA (12) = 6.240 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1784
.011	1.2263
.015	1.0619
.022	.8427
.026	.4889
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)T36 BICONICAL PROBE ALONE (RNY004)

MACH (7) = 1.149 ALPHA (13) = 8.260 RN/L = 3.9529 PO = 2117.9 Q(PSF) = 862.73 P = 929.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1616
.011	1.2282
.015	1.0845
.022	.8665
.026	.5092
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005) (02 JUN 76)

REFERENCE DATA PARAMETRIC DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT PHI = 90.000
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

MACH (1) = .548 BETA (1) = -8.180 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9305
.011	.9644
.015	.8296
.022	.7416
.026	.6828
.027	.6972
.044	.5226
.068	.3158
.098	.0806
.128	-.1428
.129	-.1336
.163	-.2634
.197	-.3618
.214	-.3858
.235	-.3191
.262	-.2120

MACH (1) = .547 BETA (2) = -6.190 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8686
.011	.9092
.015	.8380
.022	.7564
.026	.6774
.027	.6948
.044	.5141
.068	.3051
.098	.0650
.128	-.1659
.129	-.1475
.163	-.2776
.197	-.3715
.214	-.4051

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (1) = .547 BETA (2) = -6.190

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.235	-.3339
.262	-.2187

MACH (1) = .550 BETA (3) = -4.180 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8815
.011	.9413
.015	.8448
.022	.7461
.026	.6639
.027	.6808
.044	.5055
.068	.2826
.098	.0455
.128	-.1705
.129	-.1566
.163	-.2834
.197	-.3630
.214	-.3873
.235	-.3141
.262	-.1982

MACH (1) = .548 BETA (4) = -3.090 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8902
.011	.9485
.015	.8428
.022	.7405
.026	.6491
.027	.6795
.044	.4902
.068	.2721
.098	.0271
.128	-.1866
.129	-.1749

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (1) = .548 BETA (4) = -3.090

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.163	-.3033
.197	-.3777
.214	-.3982
.235	-.3233
.262	-.1979

MACH (1) = .549 BETA (5) = -2.120 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9269
.011	.9586
.015	.8374
.022	.7378
.026	.6548
.027	.6748
.044	.4780
.068	.2624
.098	.0195
.128	-.2052
.129	-.1882
.163	-.3147
.197	-.3868
.214	-.4042
.235	-.3220
.262	-.1999

MACH (1) = .550 BETA (6) = -1.080 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9214
.011	.9534
.015	.8276
.022	.7303
.026	.6480
.027	.6602
.044	.4704
.068	.2538

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (1) = .550 BETA (6) = -1.080

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.098	.0060
.128	- 2038
.129	-.1934
.163	-.3132
.197	-.3802
.214	-.4018
.235	-.3184
.262	-.2007

MACH (1) = .550 BETA (7) = .020 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9106
.011	.9396
.015	.8163
.022	.7099
.026	.6207
.027	.6467
.044	.4598
.068	.2353
.098	-.0069
.128	-.2159
.129	-.2025
.163	-.3266
.197	-.3867
.214	-.4058
.235	-.3149
.262	-.1973

MACH (1) = .551 BETA (8) = 1.040 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9102
.011	.9326
.015	.8043
.022	.6981
.026	.6048

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (1) = .551 BETA (8) = 1.040

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.027	.6307
.044	.4342
.068	.2174
.098	-.0240
.128	-.2227
.129	-.2106
.163	-.3281
.197	-.3902
.214	-.4036
.235	-.3203
.262	-.2015

MACH (1) = .550 BETA (9) = 2.010 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8900
.011	.9241
.015	.7962
.022	.6873
.026	.5936
.027	.6203
.044	.4172
.068	.2077
.098	-.0352
.128	-.2470
.129	-.2297
.163	-.3446
.197	-.4073
.214	-.4207
.235	-.3347
.262	-.2128

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (1) = .550 BETA (10) = 3.190 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8516
.011	.9099
.015	.7661
.022	.6615
.026	.5691
.027	.5976
.044	.4041
.068	.1825
.098	-.0530
.128	-.2607
.129	-.2474
.163	-.3519
.197	-.4124
.214	-.4219
.235	-.3342
.262	-.2102

MACH (1) = .550 BETA (11) = 4.120 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8263
.011	.8981
.015	.7469
.022	.6391
.026	.5487
.027	.5764
.044	.3896
.068	.1700
.098	-.0696
.128	-.2784
.129	-.2655
.163	-.3636
.197	-.4163
.214	-.4328
.235	-.3381
.262	-.2209

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (1) = .550 BETA (12) = 6.160 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7762
.011	.8298
.015	.6925
.022	.5923
.026	.5055
.027	.5258
.044	.3405
.068	.1220
.098	-.1104
.128	-.3073
.129	-.2918
.163	-.3932
.197	-.4420
.214	-.4490
.235	-.3475
.262	-.2291

MACH (1) = .549 BETA (13) = 8.150 RN/L = 3.2121 PO = 2102.8 Q(PSF) = 361.93 P = 1712.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7093
.011	.7482
.015	.6357
.022	.5323
.026	.4519
.027	.4769
.044	.2883
.068	.0720
.098	-.1512
.128	-.3420
.129	-.3251
.163	-.4220
.197	-.4644
.214	-.4631
.235	-.3645
.262	-.2472

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (2) = .702 BETA (1) = -8.170 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8713
.011	.9179
.015	.8758
.022	.7957
.026	.7265
.027	.7376
.044	.5741
.068	.3505
.098	.0994
.128	-.1415
.129	-.1315
.163	-.2912
.197	-.4127
.214	-.4513
.235	-.3674
.262	-.2311

MACH (2) = .702 BETA (2) = -6.100 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9213
.011	.9709
.015	.8910
.022	.8011
.026	.7233
.027	.7383
.044	.5616
.068	.3425
.098	.0891
.128	-.1537
.129	-.1486
.163	-.3015
.197	-.4130
.214	-.4437
.235	-.3566
.262	-.2175

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ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE (RNY005)

MACH (2) = .703 BETA (3) = -3.960 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9316
.011	.9941
.015	.8908
.022	.7936
.026	.7153
.027	.7333
.044	.5461
.068	.3157
.098	.0645
.128	-.1713
.129	-.1659
.163	-.3142
.197	-.4179
.214	-.4392
.235	-.3463
.262	-.2137

MACH (2) = .702 BETA (4) = -2.960 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9656
.011	.9999
.015	.8902
.022	.7946
.026	.7068
.027	.7204
.044	.5391
.068	.3095
.098	.0568
.128	-.1756
.129	-.1762
.163	-.3230
.197	-.4194
.214	-.4418
.235	-.3399
.262	-.2099

ARC14-143-1((IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (2) = .701 BETA (5) = -2.010 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9677
.011	1.0081
.015	.8858
.022	.7846
.026	.7039
.027	.7145
.044	.5269
.068	.2974
.098	.0378
.128	-.2007
.129	-.1888
.163	-.3295
.197	-.4312
.214	-.4504
.235	-.3489
.262	-.2116

MACH (2) = .699 BETA (6) = -.960 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9710
.011	1.0039
.015	.8746
.022	.7717
.026	.6695
.027	.7028
.044	.5131
.068	.2830
.098	.0342
.128	-.2001
.129	-.1876
.163	-.3393
.197	-.4283
.214	-.4484
.235	-.3500
.262	-.2074

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (2) = .700 BETA (7) = .140 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9599
.011	.9882
.015	.8654
.022	.7573
.026	.6707
.027	.6831
.044	.4993
.068	.2642
.098	.0061
.128	-.2344
.129	-.2252
.163	-.3562
.197	-.4487
.214	-.4700
.235	-.3595
.262	-.2085

MACH (2) = .700 BETA (8) = 1.080 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9546
.011	.9919
.015	.8534
.022	.7458
.026	.6593
.027	.6777
.044	.4831
.068	.2493
.098	-.0095
.128	-.2393
.129	-.2293
.163	-.3600
.197	-.4514
.214	-.4651
.235	-.3584
.262	-.2141

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (2) = .701 BETA (9) = 2.120 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9471
.011	.9748
.015	.8361
.022	.7275
.026	.6391
.027	.6638
.044	.4629
.068	.2367
.098	-.0153
.128	-.2537
.129	-.2328
.163	-.3632
.197	-.4500
.214	-.4630
.235	-.3490
.262	-.2103

MACH (2) = .700 BETA (10) = 3.190 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9282
.011	.9583
.015	.8216
.022	.7085
.026	.6203
.027	.6413
.044	.4493
.068	.2157
.098	-.0353
.128	-.2646
.129	-.2531
.163	-.3812
.197	-.4608
.214	-.4647
.235	-.3596
.262	-.2169

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (2) = .701 BETA (11) = 4.180 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8908
.011	.9380
.015	.7991
.022	.6945
.026	.5995
.027	.6196
.044	.4236
.068	.1879
.098	-.0571
.128	-.2821
.129	-.2746
.163	-.3986
.197	-.4759
.214	-.4823
.235	-.3689
.262	-.2312

MACH (2) = .701 BETA (12) = 5.230 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8290
.011	.8822
.015	.7371
.022	.6392
.026	.5545
.027	.5734
.044	.3895
.068	.1520
.098	-.1011
.128	-.3166
.129	-.3048
.163	-.4266
.197	-.4926
.214	-.5008
.235	-.3781
.262	-.2375

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (2) = .701 BETA (13) = 8.290 RN/L = 3.6729 PO = 2101.4 Q(PSF) = 520.58 P = 1513.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7769
.011	.8037
.015	.6797
.022	.5876
.026	.4967
.027	.5202
.044	.3351
.068	.1194
.098	-.1370
.128	-.3553
.129	-.3480
.163	-.4582
.197	-.5098
.214	-.5137
.235	-.3881
.262	-.2527

MACH (3) = .802 BETA (1) = -8.190 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9214
.011	.9717
.015	.9235
.022	.8411
.026	.7654
.027	.7833
.044	.6148
.068	.3860
.098	.1289
.128	-.1401
.129	-.1248
.163	-.3087
.197	-.4838
.214	-.5617
.235	-.4150
.262	-.2501

ARC14-143-1((IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (3) = .802 BETA (2) = -6.190 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9627
.011	1.0063
.015	.9326
.022	.8367
.026	.7665
.027	.7852
.044	.6004
.068	.3783
.098	.1140
.128	-.1656
.129	-.1419
.163	-.3153
.197	-.4941
.214	-.5674
.235	-.4001
.262	-.2343

MACH (3) = .804 BETA (3) = -4.140 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9817
.011	1.0385
.015	.9540
.022	.8502
.026	.7575
.027	.7777
.044	.5943
.068	.3582
.098	.0951
.128	-.1750
.129	-.1550
.163	-.3294
.197	-.5073
.214	-.6081
.235	-.3925
.262	-.2174

ARC14-143-1((1A137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (3) = .800 BETA (4) = -3.160 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0137
.011	1.0466
.015	.9292
.022	.8369
.026	.7484
.027	.7734
.044	.5815
.068	.3521
.098	.0875
.128	-.1797
.129	-.1575
.163	-.3271
.197	-.5006
.214	-.5458
.235	-.3797
.262	-.2062

MACH (3) = .800 BETA (5) = -2.070 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0160
.011	1.0492
.015	.9235
.022	.8270
.026	.7332
.027	.7650
.044	.5648
.068	.3355
.098	.0653
.128	-.2040
.129	-.1859
.163	-.3540
.197	-.5279
.214	-.5802
.235	-.3927
.262	-.2190

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (3) = .799 BETA (6) = -1.060 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0144
.011	1.0423
.015	.9196
.022	.9146
.026	.7243
.027	.7534
.044	.5593
.068	.3289
.098	.0617
.128	-.2088
.129	-.1815
.163	-.3502
.197	-.5077
.214	-.5643
.235	-.3686
.262	-.2037

MACH (3) = .798 BETA (7) = .120 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0011
.011	1.0303
.015	.9014
.022	.7973
.026	.7038
.027	.7348
.044	.5292
.068	.2956
.098	.0326
.128	-.2461
.129	-.2125
.163	-.3795
.197	-.5498
.214	-.6182
.235	-.3913
.262	-.2200

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (3) = .803 BETA (8) = 1.000 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0018
.011	1.0295
.015	.8948
.022	.7961
.026	.7009
.027	.7254
.044	.5320
.068	.2936
.098	.0251
.128	-.2436
.129	-.2121
.163	-.3807
.197	-.5539
.214	-.6110
.235	-.3787
.262	-.2111

MACH (3) = .802 BETA (9) = 1.940 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9916
.011	1.0199
.015	.8792
.022	.7771
.026	.6836
.027	.7104
.044	.5095
.068	.2799
.098	.0072
.128	-.2542
.129	-.2260
.163	-.3884
.197	-.5524
.214	-.6149
.235	-.3831
.262	-.2097

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ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (3) = .803 BETA (10) = 3.030 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9827
.011	1.0028
.015	.8685
.022	.7589
.026	.6665
.027	.6954
.044	.4914
.068	.2566
.098	-.0056
.128	-.2735
.129	-.2450
.163	-.4062
.197	-.5754
.214	-.6123
.235	-.3823
.262	-.2133

MACH (3) = .802 BETA (11) = 4.050 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9513
.011	.9858
.015	.8431
.022	.7399
.026	.6411
.027	.6759
.044	.4756
.068	.2413
.098	-.0245
.128	-.2914
.129	-.2586
.163	-.4169
.197	-.5853
.214	-.6280
.235	-.3886
.262	-.2169

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (3) = .802 BETA (12) = 6.070 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8840
.011	.9284
.015	.7937
.022	.6912
.026	.5969
.027	.6314
.044	.4346
.068	.1995
.098	-.0651
.128	-.3316
.129	-.2934
.163	-.4454
.197	-.6161
.214	-.6200
.235	-.3944
.262	-.2333

MACH (3) = .802 BETA (13) = 8.110 RN/L = 3.8379 PO = 2101.5 Q(PSF) = 619.03 P = 1376.4

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8266
.011	.8607
.015	.7391
.022	.6306
.026	.5488
.027	.5849
.044	.3817
.068	.1543
.098	-.1049
.128	-.3645
.129	-.3368
.163	-.4776
.197	-.6441
.214	-.6392
.235	-.4048
.262	-.2510

ARC14-143-1([A137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (4) = .909 BETA (1) = -8.130 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9964
.011	1.0329
.015	.9795
.022	.9016
.026	.8360
.027	.8516
.044	.6791
.068	.4609
.098	.2050
.128	-.0673
.129	-.0390
.163	-.2252
.197	-.4592
.214	-.5573
.235	-.6454
.262	-.5325

MACH (4) = .902 BETA (2) = -6.120 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0164
.011	1.0648
.015	.9881
.022	.9002
.026	.8206
.027	.8381
.044	.6631
.068	.4445
.098	.1794
.128	-.1017
.129	-.0714
.163	-.2531
.197	-.4809
.214	-.5939
.235	-.6661
.262	-.5603

ARC14-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (4) = .901 BETA (3) = -4.070 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0312
.011	1.0914
.015	.9813
.022	.8919
.026	.8133
.027	.8356
.044	.6476
.068	.4251
.098	.1564
.128	-.1316
.129	-.0900
.163	-.2781
.197	-.4997
.214	-.6063
.235	-.6898
.262	-.5670

MACH (4) = .902 BETA (4) = -3.050 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0677
.011	1.0973
.015	.9863
.022	.8878
.026	.8047
.027	.8252
.044	.6397
.068	.4108
.098	.1469
.128	-.1362
.129	-.0996
.163	-.2939
.197	-.5106
.214	-.6045
.235	-.6873
.262	-.5802

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (4) = .903 BETA (5) = -2.010 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0656
.011	1.1020
.015	.9814
.022	.8845
.026	.7965
.027	.8193
.044	.6320
.068	.4029
.098	.1362
.128	-.1492
.129	-.1078
.163	-.3038
.197	-.5140
.214	-.6158
.235	-.6942
.262	-.5804

MACH (4) = .902 BETA (6) = -.970 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0659
.011	1.0979
.015	.9751
.022	.8762
.026	.7860
.027	.8105
.044	.6180
.068	.3884
.098	.1216
.128	-.1641
.129	-.1215
.163	-.3161
.197	-.5226
.214	-.6297
.235	-.6971
.262	-.5936

ARC14-143-1([A137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (4) = .902 BETA (7) = .270 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0576
.011	1.0875
.015	.9637
.022	.8640
.026	.7721
.027	.7988
.044	.6054
.068	.3718
.098	.1040
.128	-.1832
.129	-.1374
.163	-.3245
.197	-.5305
.214	-.6411
.235	-.7091
.262	-.6005

MACH (4) = .900 BETA (8) = 1.300 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0498
.011	1.0772
.015	.9464
.022	.8458
.026	.7548
.027	.7821
.044	.5863
.068	.3528
.098	.0919
.128	-.2004
.129	-.1500
.163	-.3378
.197	-.5444
.214	-.6527
.235	-.7220
.262	-.6105

ARC14-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (4) = .901 BETA (9) = 2.180 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0455
.011	1.0693
.015	.9378
.022	.8368
.026	.7450
.027	.7708
.044	.5702
.068	.3404
.098	.0752
.128	-.2177
.129	-.1611
.163	-.3457
.197	-.5519
.214	-.6639
.235	-.7316
.262	-.6230

MACH (4) = .899 BETA (10) = 3.150 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0325
.011	1.0587
.015	.9176
.022	.8124
.026	.7232
.027	.7494
.044	.5526
.068	.3257
.098	.0574
.128	-.2356
.129	-.1729
.163	-.3562
.197	-.5643
.214	-.6735
.235	-.7398
.262	-.6332

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (4) = .899 BETA (11) = 4.150 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0092
.011	1.0369
.015	.8978
.022	.7974
.026	.7046
.027	.7336
.044	.5440
.068	.3080
.098	.0419
.128	-.2497
.129	-.1827
.163	-.3668
.197	-.5738
.214	-.6777
.235	-.7412
.262	-.6321

MACH (4) = .899 BETA (12) = 6.210 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9351
.011	.9808
.015	.8512
.022	.7487
.026	.6609
.027	.6919
.044	.5018
.068	.2662
.098	.0028
.128	-.2881
.129	-.2121
.163	-.4065
.197	-.6106
.214	-.7073
.235	-.7692
.262	-.6498

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (4) = .900 BETA (13) = 8.230 RN/L = 3.9271 PO = 2101.0 Q(PSF) = 705.46 P = 1240.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8877
.011	.9235
.015	.7987
.022	.6984
.026	.6145
.027	.6423
.044	.4532
.068	.2242
.098	-.0398
.128	-.3216
.129	-.2475
.163	-.4439
.197	-.6422
.214	-.7329
.235	-.8016
.262	-.6733

MACH (5) = .952 BETA (1) = -8.140 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0075
.011	1.0533
.015	1.0130
.022	.9327
.026	.8603
.027	.8792
.044	.7143
.068	.4971
.098	.2493
.128	-.0308
.129	.0003
.163	-.1810
.197	-.4050
.214	-.5099
.235	-.5951
.262	-.5046

ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE (RNY005)

MACH (5) = .949 BETA (2) = -6.080 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0433
.011	1.0965
.015	1.0174
.022	.9335
.026	.8546
.027	.8773
.044	.7010
.068	.4954
.098	.2238
.128	-.0502
.129	-.0218
.163	-.2026
.197	-.4182
.214	-.5194
.235	-.6041
.262	-.5135

MACH (5) = .949 BETA (3) = -4.070 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0647
.011	1.1184
.015	1.0213
.022	.9270
.026	.8455
.027	.8642
.044	.6956
.068	.4628
.098	.2013
.128	-.0811
.129	-.0384
.163	-.2306
.197	-.4374
.214	-.5364
.235	-.6171
.262	-.5336

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ARC14-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (5) = .949 BETA (4) = -3.030 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0925
.011	1.1249
.015	1.0151
.022	.9219
.026	.8400
.027	.8598
.044	.6772
.068	.4540
.098	.1931
.128	-.0922
.129	-.0440
.163	-.2365
.197	-.4385
.214	-.5428
.235	-.6202
.262	-.5330

MACH (5) = .950 BETA (5) = -1.960 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0974
.011	1.1292
.015	1.0143
.022	.9163
.026	.8286
.027	.8502
.044	.6687
.068	.4446
.098	.1820
.128	-.1073
.129	-.0514
.163	-.2395
.197	-.4404
.214	-.5468
.235	-.6270
.262	-.5395

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (5) = .950 BETA (6) = -.960 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0955
.011	1.1243
.015	1.0035
.022	.9039
.026	.8216
.027	.8393
.044	.6606
.068	.4342
.098	.1687
.128	-.1209
.129	-.0642
.163	-.2417
.197	-.4534
.214	-.5525
.235	-.6328
.262	-.5470

MACH (5) = .950 BETA (7) = .200 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0870
.011	1.1130
.015	.9916
.022	.8947
.026	.8100
.027	.8297
.044	.6414
.068	.4211
.098	.1574
.128	-.1337
.129	-.0697
.163	-.2442
.197	-.4645
.214	-.5635
.235	-.6421
.262	-.5553

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (5) = .951 BETA (8) = 1.120 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0809
.011	1.1116
.015	.9949
.022	.8821
.026	.7925
.027	.8200
.044	.6313
.068	.4030
.098	.1465
.128	-.1485
.129	-.0787
.163	-.2528
.197	-.4696
.214	-.5705
.235	-.6441
.262	-.5599

MACH (5) = .951 BETA (9) = 2.190 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0766
.011	1.1031
.015	.9710
.022	.8699
.026	.7757
.027	.8056
.044	.6174
.068	.3926
.098	.1288
.128	-.1678
.129	-.0874
.163	-.2734
.197	-.4804
.214	-.5756
.235	-.6516
.262	-.5675

ARC14-143-1([IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (5) = .951 BETA (10) = 3.090 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0637
.011	1.0900
.015	.9527
.022	.8553
.026	.7662
.027	.7881
.044	.5981
.068	.3743
.098	.1143
.128	-.1793
.129	-.1020
.163	-.2907
.197	-.4936
.214	-.5861
.235	-.6579
.262	-.5730

MACH (5) = .950 BETA (11) = 4.210 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0411
.011	1.0702
.015	.9309
.022	.8296
.026	.7419
.027	.7703
.044	.5808
.068	.3523
.098	.0905
.128	-.1950
.129	-.1170
.163	-.3102
.197	-.5052
.214	-.6013
.235	-.6768
.262	-.5837

ARC14-143-1([A137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (5) = .950 BETA (12) = 6.250 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9646
.011	1.0187
.015	.8891
.022	.7865
.026	.7011
.027	.7293
.044	.5463
.068	.3136
.098	.0594
.128	-.2192
.129	-.1440
.163	-.3420
.197	-.5281
.214	-.6285
.235	-.6968
.262	-.6089

MACH (5) = .949 BETA (13) = 8.210 RN/L = 3.9236 PO = 2100.7 Q(PSF) = 742.44 P = 1175.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9163
.011	.9533
.015	.8387
.022	.7392
.026	.6580
.027	.6836
.044	.5036
.068	.2752
.098	.0219
.128	-.2520
.129	-.1795
.163	-.3755
.197	-.5637
.214	-.6590
.235	-.7161
.262	-.6352

APC14-143-1([A137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (6) = 1.049 BETA (1) = -7.980 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0805
.011	1.1349
.015	1.0813
.022	1.0076
.026	.9359
.027	.9569
.044	.7984
.068	.5905
.098	.3533
.128	.0940
.129	.1243
.163	-.0622
.197	-.2631
.214	-.3538
.235	-.4412
.262	-.3695

MACH (6) = 1.053 BETA (2) = -6.050 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1181
.011	1.1587
.015	1.0959
.022	1.0065
.026	.9432
.027	.9531
.044	.7938
.068	.5855
.098	.3449
.128	.0763
.129	.1192
.163	-.0713
.197	-.2623
.214	-.3562
.235	-.4376
.262	-.3696

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNYO(3)

MACH (6) = 1.052 BETA (3) = -4.070 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1335
.011	1.1895
.015	1.0912
.022	1.0051
.026	.9281
.027	.9489
.044	.7763
.068	.5652
.098	.3202
.128	.0504
.129	.0997
.163	-.0799
.197	-.2743
.214	-.3655
.235	-.4492
.262	-.3793

MACH (6) = 1.051 BETA (4) = -3.010 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1700
.011	1.2005
.015	1.0919
.022	.9966
.026	.9272
.027	.9376
.044	.7716
.068	.5571
.098	.3164
.128	.0358
.129	.0910
.163	-.0796
.197	-.2843
.214	-.3760
.235	-.4534
.262	-.3888

ARC14-143-1(IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (6) = 1.052 BETA (5) = -1.940 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1655
.011	1.2009
.015	1.0872
.022	.9961
.026	.9188
.027	.9384
.044	.7606
.068	.5533
.098	.3075
.128	.0281
.129	.0918
.163	-.0930
.197	-.2814
.214	-.3755
.235	-.4538
.262	-.3874

MACH (6) = 1.052 BETA (6) = -.880 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1650
.011	1.1964
.015	1.0758
.022	.9952
.026	.9080
.027	.9250
.044	.7442
.068	.5362
.098	.2870
.128	.0116
.129	.0826
.163	-.1064
.197	-.2870
.214	-.3961
.235	-.4649
.262	-.3962

ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE (RNY005)

MACH (6) = 1.052 BETA (7) = .280 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1564
.011	1.1842
.015	1.0754
.022	.9756
.026	.8824
.027	.9115
.044	.7332
.068	.5217
.098	.2702
.128	-.0105
.129	.0745
.163	-.1326
.197	-.3027
.214	-.3939
.235	-.4675
.262	-.4022

MACH (6) = 1.050 BETA (8) = 1.350 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1482
.011	1.1748
.015	1.0589
.022	.9554
.026	.8750
.027	.8995
.044	.7170
.068	.5037
.098	.2571
.128	-.0257
.129	.0422
.163	-.1496
.197	-.3147
.214	-.4061
.235	-.4809
.262	-.4144

ARC14-143-1([IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (6) = 1.050 BETA (9) = 2.270 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1446
.011	1.1667
.015	1.0444
.022	.9464
.026	.8627
.027	.8346
.044	.7024
.068	.4896
.098	.2497
.128	-.0298
.129	.0224
.163	-.1606
.197	-.3207
.214	-.4130
.235	-.4869
.262	-.4220

MACH (6) = 1.050 BETA (10) = 3.300 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1308
.011	1.1504
.015	1.0316
.022	.9342
.026	.8468
.027	.8211
.044	.6873
.068	.4776
.098	.2248
.128	-.0397
.129	.0091
.163	-.1727
.197	-.3390
.214	-.4290
.235	-.5008
.262	-.4327

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ARC14-143-1(IA137)TANK(T36).331 IN..TANK SURFACE (RNY005)

MACH (6) = 1.050 BETA (11) = 4.270 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1101
.011	1.1403
.015	1.0074
.022	.9152
.026	.8381
.027	.8591
.044	.6733
.068	.4629
.098	.2144
.128	-.0452
.129	.0022
.163	-.1742
.197	-.3485
.214	-.4392
.235	-.5071
.262	-.4410

MACH (6) = 1.049 BETA (12) = 5.410 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0443
.011	1.0844
.015	.9570
.022	.8709
.026	.7838
.027	.8115
.044	.6378
.068	.4184
.098	.1790
.128	-.0738
.129	-.0311
.163	-.2014
.197	-.3794
.214	-.4823
.235	-.5270
.262	-.4646

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (6) = 1.049 BETA (13) = 8.310 RN/L = 3.9536 PO = 2100.7 Q(PSF) = 807.54 P = 1044.8

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0001
.011	1.0368
.015	.9139
.022	.8266
.026	.7454
.027	.7795
.044	.6052
.068	.3695
.098	.1448
.128	-.1014
.129	-.0604
.163	-.2278
.197	-.4010
.214	-.4892
.235	-.5520
.262	-.4843

MACH (7) = 1.105 BETA (1) = -8.140 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1299
.011	1.1694
.015	1.1254
.022	1.0591
.026	.9857
.027	1.0049
.044	.8528
.068	.6566
.098	.4200
.128	.1771
.129	.1864
.163	.0196
.197	-.1767
.214	-.2650
.235	-.3511
.262	-.2877

ARC14-143-1((IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (7) = 1.107 BETA (2) = -6.030 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1592
.011	1.2051
.015	1.1364
.022	1.0537
.026	.9853
.027	1.0013
.044	.8422
.068	.5360
.098	.4017
.128	.1575
.129	.1722
.163	.0016
.197	-.1830
.214	-.2760
.235	-.3545
.262	-.2939

MACH (7) = 1.105 BETA (3) = -3.960 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1876
.011	1.2267
.015	1.1269
.022	1.0500
.026	.9813
.027	.9991
.044	.8286
.068	.5258
.098	.3819
.128	.1375
.129	.1600
.163	-.0054
.197	-.1993
.214	-.2879
.235	-.3555
.262	-.3043

ARC14-143-1((IA137)TANK(T36),331 IN.,TANK SURFACE (RNY005)

MACH (7) = 1.101 BETA (4) = -3.040 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1971
.011	1.2346
.015	1.1263
.022	1.0382
.026	.9722
.027	.9829
.044	.8175
.068	.5104
.098	.3755
.128	.1222
.129	.1470
.163	-.0177
.197	-.2072
.214	-.2974
.235	-.3751
.262	-.3167

MACH (7) = 1.102 BETA (5) = -2.000 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1975
.011	1.2322
.015	1.1220
.022	1.0323
.026	.9547
.027	.9802
.044	.8041
.068	.5933
.098	.3548
.128	.1079
.129	.1427
.163	-.0287
.197	-.2129
.214	-.3068
.235	-.3853
.262	-.3240

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ARC14-143-1([A137)TANK(136),331 IN.,TANK SURFACE (RNY005)

MACH (7) = 1.102 BETA (6) = -.920 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1954
.011	1.2266
.015	1.1159
.022	1.0267
.026	.9489
.027	.9661
.044	.7987
.068	.5895
.098	.3444
.128	.1042
.129	.1389
.163	-.0493
.197	-.2206
.214	-.3063
.235	-.3835
.262	-.4231

MACH (7) = 1.102 BETA (7) = .180 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1942
.011	1.2194
.015	1.0987
.022	1.0125
.026	.9395
.027	.9468
.044	.7825
.068	.5779
.098	.3319
.128	.0882
.129	.1372
.163	-.0643
.197	-.2244
.214	-.3165
.235	-.3935
.262	-.4271

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (7) = 1.100 BETA (8) = 1.240 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1861
.011	1.2127
.015	1.0901
.022	.9983
.026	.9246
.027	.9413
.044	.7649
.068	.5561
.098	.3173
.128	.0669
.129	.1187
.163	-.0811
.197	-.2405
.214	-.3286
.235	-.4012
.262	-.3419

MACH (7) = 1.098 BETA (9) = 2.220 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (2)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1777
.011	1.2034
.015	1.0781
.022	.9896
.026	.9076
.027	.9234
.044	.7534
.068	.5446
.098	.3002
.128	.0491
.129	.1017
.163	-.1014
.197	-.2531
.214	-.3413
.235	-.4160
.262	-.3564

ARC14-143-1([A137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (7) = 1.098 BETA (10) = 3.300 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1594
.011	1.1848
.015	1.0599
.022	.9665
.026	.8886
.027	.9139
.044	.7344
.068	.5304
.098	.2877
.128	.0418
.129	.0790
.163	-.1066
.197	-.2654
.214	-.3518
.235	-.4234
.262	-.3645

MACH (7) = 1.097 BETA (11) = 4.300 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1479
.011	1.1746
.015	1.0448
.022	.9501
.026	.8682
.027	.8907
.044	.7185
.068	.5124
.098	.2714
.128	.0345
.129	.0680
.163	-.1096
.197	-.2776
.214	-.3687
.235	-.4336
.262	-.3740

ARC14-143-1(IA137)TANK(T36).331 IN.,TANK SURFACE (RNY005)

MACH (7) = 1.098 BETA (12) = 6.260 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0768
.011	1.1235
.015	1.0048
.022	.9171
.026	.8350
.027	.9560
.044	.6841
.068	.4764
.098	.2421
.128	.0048
.129	.0354
.163	-.1323
.197	-.2998
.214	-.3868
.235	-.4507
.262	-.3935

MACH (7) = 1.099 BETA (13) = 8.240 RN/L = 3.8993 PO = 2100.6 Q(PSF) = 833.76 P = 982.14

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0455
.011	1.0700
.015	.9603
.022	.8802
.026	.8001
.027	.8210
.044	.6535
.068	.4449
.098	.2092
.128	-.0227
.129	.0156
.163	-.1547
.197	-.3227
.214	-.4070
.235	-.4672
.262	-.4102

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 90.000

MACH (1) = .550 BETA (1) = -8.210 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9228
.011	.8625
.015	.8254
.022	.7429
.026	.7078
.027	.6794
.044	.5097
.068	.2623
.098	-.0491
.128	-1.1198
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .549 BETA (2) = -6.130 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9669
.011	.9132
.015	.8388
.022	.7420
.026	.6629
.027	.6810
.044	.4960
.068	.2445
.098	-.0689
.128	-1.1313
.129	.0000
.163	.0000
.197	.0000
.214	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (1) = .549 BETA (2) = -6.130

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.235	.0000
.262	.0000

MACH (1) = .549 BETA (3) = -4.140 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8718
.011	.9375
.015	.8308
.022	.7370
.026	.6476
.027	.6796
.044	.4835
.068	.2312
.098	-.0872
.128	-1.1455
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .548 BETA (4) = -3.110 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8803
.011	.9510
.015	.8296
.022	.7317
.026	.6324
.027	.6606
.044	.4695
.068	.2203
.098	-.0952
.128	-1.1483
.129	.0000

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ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (1) = .548 BETA (4) = -3.110

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .548 BETA (5) = -2.060 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9251
.011	.9580
.015	.8315
.022	.7289
.026	.6285
.027	.6562
.044	.4648
.068	.2171
.098	-.1081
.128	-1.1579
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .548 BETA (6) = -1.080 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9196
.011	.9534
.015	.8177
.022	.7110
.026	.6191
.027	.6451
.044	.4439
.068	.1959

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (1) = .548 BETA (6) = -1.080

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.098	-.1249
.128	-1.1673
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .549 BETA (7) = .000 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9098
.011	.9384
.015	.8092
.022	.7009
.026	.6105
.027	.6373
.044	.4336
.068	.1792
.098	-.1275
.128	-1.1763
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 BETA (8) = 1.010 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9003
.011	.9296
.015	.7934
.022	.6877
.026	.5930

ARC14-143-1((IA137)TANK(T36).264.8 IN..TANK SURF. (RNY006)

MACH (1) = .550 BETA (8) = 1.010

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.027	.6170
.044	.4177
.068	.1612
.098	-.1524
.128	-1.1691
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 BETA (9) = 2.040 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8942
.011	.9160
.015	.7815
.022	.6647
.026	.5787
.027	.5998
.044	.3935
.068	.1493
.098	-.1653
.128	-1.1866
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (1) = .551 BETA (10) = 3.030 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8768
.011	.9073
.015	.7558
.022	.6543
.026	.5561
.027	.5824
.044	.3741
.068	.1361
.098	-.1819
.128	-1.1968
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 BETA (11) = 4.060 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8289
.011	.8888
.015	.7329
.022	.6271
.026	.5371
.027	.5638
.044	.3722
.068	.1178
.098	-.1848
.128	-1.1973
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (1) = .548 BETA (12) = 6.120 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7736
.011	.8169
.015	.6905
.022	.5793
.026	.4857
.027	.5099
.044	.3229
.068	.0701
.098	-.2321
.128	-1.2434
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 BETA (13) = 8.210 RN/L = 3.2279 PO = 2106.1 Q(PSF) = 362.41 P = 1715.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7138
.011	.7440
.015	.6271
.022	.5278
.026	.4290
.027	.4704
.044	.2745
.068	.0359
.098	-.2691
.128	-1.2604
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (2) = .701 BETA (1) = -8.130 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8827
.011	.9250
.015	.8689
.022	.7809
.026	.7113
.027	.7329
.044	.5430
.068	.3080
.098	-.0155
.128	-.7428
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .699 BETA (2) = -6.090 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9116
.011	.9695
.015	.8797
.022	.7926
.026	.7122
.027	.7273
.044	.5349
.068	.3000
.098	-.0113
.128	-.7459
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (2) = .700 BETA (3) = -4.040 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9300
.011	.9983
.015	.8828
.022	.7848
.026	.6969
.027	.7219
.044	.5219
.068	.2791
.098	-.0322
.128	-.7495
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .701 BETA (4) = -3.050 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9518
.011	1.0013
.015	.8813
.022	.7796
.026	.6980
.027	.7151
.044	.5141
.068	.2664
.098	-.0441
.128	-.7522
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (2) = .702 BETA (5) = -1.950 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9714
.011	1.0013
.015	.8799
.022	.7737
.026	.6855
.027	.7024
.044	.5030
.068	.2574
.098	-.0587
.128	-.7531
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .699 BETA (6) = -.970 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9621
.011	1.0022
.015	.8691
.022	.7695
.026	.6745
.027	.6956
.044	.4932
.068	.2432
.099	-.0670
.128	-.7609
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (2) = .702 BETA (7) = .060 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9632
.011	.9931
.015	.8580
.022	.7490
.026	.6607
.027	.6828
.044	.4789
.068	.2512
.098	-.0746
.128	-.7608
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .702 BETA (8) = 1.090 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9522
.011	.9859
.015	.8457
.022	.7415
.026	.6473
.027	.6704
.044	.4657
.068	.2133
.098	-.0965
.128	-.7708
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (2) = .701 BETA (9) = 2.190 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9371
.011	.9718
.015	.8304
.022	.7207
.026	.6226
.027	.6532
.044	.4509
.068	.2021
.098	-.1033
.128	-.7773
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .700 BETA (10) = 3.130 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9320
.011	.9551
.015	.8040
.022	.7021
.026	.6119
.027	.6321
.044	.4247
.068	.1834
.098	-.1225
.128	-.7910
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36).264.8 IN..TANK SURF. (RNY006)

MACH (2) = .718 BETA (11) = 4.240 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8930
.011	.9450
.015	.8071
.022	.7009
.026	.6068
.027	.6379
.044	.4394
.068	.1968
.098	-.0888
.128	-.7236
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .700 BETA (12) = 6.190 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8306
.011	.8914
.015	.7362
.022	.6394
.026	.5399
.027	.5750
.044	.3655
.068	.1198
.098	-.1739
.128	-.8130
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (2) = .699 BETA (13) = 8.250 RN/L = 3.7150 PO = 2104.8 Q(PSF) = 522.29 P = 1515.0

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7708
.011	.8126
.015	.6800
.022	.5802
.026	.4842
.027	.5134
.044	.3107
.068	.0731
.098	-.2118
.128	-.8334
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .805 BETA (1) = -8.340 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9174
.011	.9698
.015	.9247
.022	.6419
.026	.7600
.027	.7793
.044	.5995
.068	.3620
.098	.0627
.128	-.4801
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (3) = .797 BETA (2) = -6.160 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9544
.011	1.0087
.015	.9260
.022	.8291
.026	.7528
.027	.7736
.044	.5849
.068	.3577
.098	.0364
.128	-.4995
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .801 BETA (3) = -4.140 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9943
.011	1.0329
.015	.9289
.022	.8373
.026	.7457
.027	.7694
.044	.5733
.069	.3284
.099	.0309
.128	-.4933
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (3) = .799 BETA (4) = -3.160 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0074
.011	1.0433
.015	.9270
.022	.8241
.026	.7369
.027	.7622
.044	.5604
.068	.3228
.098	.0217
.128	-.4970
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .800 BETA (5) = -2.030 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0071
.011	1.0478
.015	.9248
.022	.8173
.026	.7259
.027	.7496
.044	.5532
.068	.3103
.098	.0083
.128	-.5026
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SUR*. (RNY006)

MACH (3) = .802 BETA (6) = -1.080 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0095
.011	1.0430
.015	.9171
.022	.8106
.026	.7160
.027	.7490
.044	.5405
.068	.2999
.098	.0049
.128	-.5015
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .801 BETA (7) = -.050 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0018
.011	1.0288
.015	.9088
.022	.7991
.026	.7025
.027	.7315
.044	.5276
.068	.2843
.098	-.0131
.128	-.5038
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (3) = .803 BETA (8) = .980 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9970
.011	1.0291
.015	.8904
.022	.7863
.026	.6943
.027	.7235
.044	.5156
.068	.2775
.098	-.0243
.128	-.5092
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .802 BETA (9) = 1.990 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9852
.011	1.0192
.015	.8768
.022	.7692
.026	.6725
.027	.7047
.044	.4964
.068	.2557
.098	-.0404
.128	-.5218
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (3) = .802 BETA (10) = 3.070 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9774
.011	1.0013
.015	.8583
.022	.7531
.026	.6569
.027	.6854
.044	.4817
.068	.2376
.098	-.0595
.128	-.5315
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .802 BETA (11) = 4.060 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9434
.011	.9869
.015	.8407
.022	.7307
.026	.6401
.027	.6705
.044	.4628
.068	.2174
.098	-.0765
.128	-.5402
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK([136),264.8 IN.,TANK SURF. (RNY006)

MACH (3) = .802 BETA (12) = 6.090 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8806
.011	.9322
.015	.7963
.022	.6901
.026	.5879
.027	.6246
.044	.4253
.068	.1796
.098	-.1118
.128	-.5577
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .802 BETA (13) = 8.150 RN/L = 3.8507 PO = 2105.9 Q(PSF) = 619.89 P = 1379.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8222
.011	.8660
.015	.7329
.022	.6318
.026	.5428
.027	.5725
.044	.3742
.068	.1391
.098	-.1500
.128	-.5798
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (4) = .901 BETA (1) = -8.110 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9799
.011	1.0226
.015	.9744
.022	.8981
.026	.8182
.027	.8426
.044	.6594
.068	.4367
.098	.1620
.128	-.2753
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .899 BETA (2) = -6.100 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0109
.011	1.0582
.015	.9823
.022	.8920
.026	.8148
.027	.8396
.044	.6566
.068	.4253
.098	.1407
.128	-.2834
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (4) = .901 BETA (3) = -4.050 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0430
.011	1.0896
.015	.9804
.022	.8982
.026	.8026
.027	.8322
.044	.6361
.068	.4108
.098	.1288
.128	-.2781
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .903 BETA (4) = -2.980 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0559
.011	1.0963
.015	.9920
.022	.8858
.026	.7995
.027	.8257
.044	.6374
.068	.4015
.098	.1235
.128	-.2793
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137)TANK(136),264.8 IN.,TANK SURF. (RNY006)

MACH (4) = .900 BETA (5) = -1.930 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0592
.011	1.1001
.015	.9768
.022	.8781
.026	.7862
.027	.8130
.044	.6224
.068	.3674
.098	.1056
.128	-.2883
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .900 BETA (6) = -.960 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0614
.011	1.0940
.015	.9690
.022	.8691
.026	.7736
.027	.8015
.044	.6081
.068	.3750
.098	.0948
.128	-.2952
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (4) = .901 BETA (7) = .100 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0551
.011	1.0858
.015	.9574
.022	.8598
.026	.7668
.027	.7922
.044	.5969
.068	.3614
.098	.0850
.128	-.2968
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .901 BETA (8) = 1.110 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0517
.011	1.0742
.015	.9472
.022	.8482
.026	.7530
.027	.7853
.044	.5849
.068	.3487
.098	.0703
.128	-.3037
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (4) = .902 BETA (9) = 2.150 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0437
.011	1.0721
.015	.9384
.022	.8293
.026	.7365
.027	.7638
.044	.5699
.068	.3304
.098	.0553
.128	-.3113
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .902 BETA (10) = 3.160 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0305
.011	1.0560
.015	.9123
.022	.8143
.026	.7245
.027	.7464
.044	.5543
.068	.3123
.098	.0417
.128	-.3172
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (4) = .901 BETA (11) = 4.170 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0137
.011	1.0415
.015	.8951
.022	.7918
.026	.7001
.027	.7363
.044	.5355
.068	.2991
.098	.0235
.128	-.3294
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .900 BETA (12) = 6.200 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9328
.011	.9811
.015	.8511
.022	.7459
.026	.6591
.027	.6837
.044	.4887
.068	.2579
.098	-.0143
.128	-.3532
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (4) = .899 BETA (13) = 8.280 RN/L = 3.9979 PO = 2104.6 Q(PSF) = 706.20 P = 1243.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8865
.011	.9183
.015	.7964
.022	.7064
.026	.6063
.027	.6391
.044	.4457
.068	.2120
.098	-.0572
.128	-.3847
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .952 BETA (1) = -8.060 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0190
.011	1.0683
.015	1.0068
.022	.9302
.026	.8584
.027	.8775
.044	.7044
.068	.4861
.098	.2173
.128	-.1816
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (5) = .953 BETA (2) = -6.060 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0465
.011	1.0919
.015	1.0191
.022	.9289
.026	.8667
.027	.8755
.044	.6997
.068	.4777
.098	.2105
.128	-.1754
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .951 BETA (3) = -3.980 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0806
.011	1.1173
.015	1.0168
.022	.9228
.026	.8450
.027	.8545
.044	.6857
.068	.4560
.098	.1889
.128	-.1860
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (5) = .952 BETA (4) = -3.000 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0915
.011	1.1315
.015	1.0126
.022	.9222
.026	.8357
.027	.8620
.044	.6729
.068	.4480
.098	.1830
.128	-.1891
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .950 BETA (5) = -1.960 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0941
.011	1.1310
.015	1.0083
.022	.9145
.026	.8220
.027	.8503
.044	.6636
.068	.4415
.098	.1719
.128	-.1914
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (5) = .953 BETA (6) = -.950 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0959
.011	1.1252
.015	1.0077
.022	.9041
.026	.8194
.027	.8469
.044	.6542
.068	.4261
.098	.1672
.128	-.1914
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .950 BETA (7) = .120 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0875
.011	1.1102
.015	.9928
.022	.8915
.026	.8003
.027	.8293
.044	.6355
.068	.4134
.098	.1446
.128	-.2039
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (5) = .951 BETA (8) = 1.090 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0807
.011	1.1070
.015	.9830
.022	.8782
.026	.7926
.027	.8205
.044	.6310
.068	.3991
.098	.1324
.128	-.2075
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .951 BETA (9) = 2.110 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0757
.011	1.1026
.015	.9721
.022	.8624
.026	.7799
.027	.8066
.044	.6167
.068	.3829
.098	.1148
.128	-.2164
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (5) = .950 BETA (10) = 3.070 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0672
.011	1.0899
.015	.9511
.022	.8494
.026	.7610
.027	.7950
.044	.6016
.068	.3758
.098	.1009
.128	-.2271
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .951 BETA (11) = 4.190 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0471
.011	1.0704
.015	.9403
.022	.8396
.026	.7371
.027	.7709
.044	.5824
.068	.3494
.098	.0843
.128	-.2317
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36).264.8 IN.,TANK SURF. (RNY006)

MACH (5) = .951 BETA (12) = 6.230 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9825
.011	1.0200
.015	.8912
.022	.7899
.026	.7058
.027	.7345
.044	.5422
.068	.3118
.098	.0481
.128	-.2562
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .951 BETA (13) = 8.290 RN/L = 4.0529 PO = 2104.1 Q(PSF) = 744.71 P = 1175.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9234
.011	.9624
.015	.8341
.022	.7420
.026	.6531
.027	.6898
.044	.4965
.068	.2722
.098	.0147
.128	-.2865
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (6) = 1.102 BETA (1) = -8.120 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1275
.011	1.1720
.015	1.1200
.022	1.0474
.026	.9831
.027	.9996
.044	.8381
.068	.5446
.098	.4021
.128	.0561
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.101 BETA (2) = -6.050 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1509
.011	1.1947
.015	1.1317
.022	1.0476
.026	.9812
.027	.9941
.044	.8334
.068	.6330
.098	.3883
.128	.0554
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (6) = 1.100 BETA (3) = -3.780 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1865
.011	1.2225
.015	1.1277
.022	1.0467
.026	.9718
.027	.9812
.044	.8169
.068	.6112
.098	.3679
.128	.0495
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.103 BETA (4) = -3.020 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1986
.011	1.2298
.015	1.1274
.022	1.0437
.026	.9702
.027	.9753
.044	.8145
.068	.6121
.098	.3639
.128	.0518
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (6) = 1.100 BETA (5) = -1.920 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1953
.011	1.2320
.015	1.1223
.022	1.0295
.026	.9590
.027	.9689
.044	.8031
.068	.5955
.098	.3539
.128	.0455
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.101 BETA (6) = -.920 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1959
.011	1.2281
.015	1.1151
.022	1.0249
.026	.9418
.027	.9609
.044	.7910
.068	.5864
.099	.3470
.128	.0445
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (6) = 1.101 BETA (7) = .110 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1935
.011	1.2217
.015	1.1046
.022	1.0176
.026	.9382
.027	.9550
.044	.7740
.068	.5777
.098	.3294
.128	.0396
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.101 BETA (8) = 1.150 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1872
.011	1.2124
.015	1.0971
.022	1.0002
.026	.9249
.027	.9389
.044	.7690
.068	.5693
.098	.3205
.128	.0305
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (6) = 1.101 BETA (9) = 2.160 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1797
.011	1.2033
.015	1.0807
.022	.9858
.026	.9092
.027	.9872
.044	.7580
.068	.5474
.088	.3019
.128	.0251
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.100 BETA (10) = 3.300 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1653
.011	1.1869
.015	1.0626
.022	.9754
.026	.8920
.027	.9094
.044	.7421
.068	.5357
.088	.2912
.128	.0152
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (6) = 1.100 BETA (11) = 4.200 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1426
.011	1.1715
.015	1.0484
.022	.9560
.026	.8824
.027	.8964
.044	.7230
.068	.5110
.098	.2739
.128	.0084
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.099 BETA (12) = 6.210 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0885
.011	1.1344
.015	1.0051
.022	.9190
.026	.8473
.027	.8630
.044	.6855
.068	.4847
.098	.2344
.128	-.0248
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY006)

MACH (6) = 1.099 BETA (13) = 8.090 RN/L = 4.0114 PO = 2103.6 Q(PSF) = 834.74 P = 984.79

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0431
.011	1.0745
.015	.9532
.022	.8731
.026	.8020
.027	.8130
.044	.6522
.068	.4424
.098	.2069
.128	-.0525
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007) (02 JUN 76)

REFERENCE DATA PARAMETRIC DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT PHI = 45.000
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

MACH (1) = .550 ALPHA (1) = -5.830 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7085
.011	.7505
.015	.6708
.022	.5742
.026	.4872
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .549 ALPHA (2) = -4.390 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7667
.011	.8309
.015	.7112
.022	.6080
.026	.5412
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (1) = .549 ALPHA (2) = -4.390

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.235	.0000
.262	.0000

MACH (1) = .547 ALPHA (3) = -2.230 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8369
.011	.8822
.015	.7568
.022	.6550
.026	.5697
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (4) = -2.190 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8766
.011	.9094
.015	.7720
.022	.6683
.026	.5806
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000

ARC14-143-1([A137)TANK([36),264.8 IN.,TANK SURF. (RNY007)

MACH (1) = .550 ALPHA (4) = -2.190

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (5) = -1.470 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8991
.011	.9323
.015	.7850
.022	.6826
.026	.5997
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (6) = -.770 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9032
.011	.9339
.015	.7959
.022	.6939
.026	.6031
.027	.0000
.044	.0000
.068	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (1) = .550 ALPHA (6) = -.770

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (7) = .000 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9106
.011	.9378
.015	.8070
.022	.7047
.026	.6162
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (8) = .720 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9111
.011	.9435
.015	.8054
.022	.7087
.026	.6302

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ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (1) = .550 ALPHA (8) = .720

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (9) = 1.450 RN/L = 3.1985 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9063
.011	9404
.015	.8115
.022	.7094
.026	.6250
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (1) = .551 ALPHA (10) = 2.170 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9008
.011	.9318
.015	.8130
.022	.7096
.026	.6287
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .550 ALPHA (11) = 2.910 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8709
.011	.9063
.015	.7983
.022	.7084
.026	.6250
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (1) = .550 ALPHA (12) = 4.340 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8184
.011	.8651
.015	.7812
.022	.6912
.026	.6082
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (1) = .551 ALPHA (13) = 5.790 RN/L = 3.1986 PO = 2100.5 Q(PSF) = 362.06 P = 1710.1

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7637
.011	.7887
.015	.7404
.022	.6642
.026	.5984
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (2) = .702 ALPHA (1) = -5.760 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.7613
.011	.8055
.015	.7102
.022	.6200
.026	.5370
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .698 ALPHA (2) = -4.330 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8263
.011	.8881
.015	.7594
.022	.6693
.026	.5723
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (2) = .696 ALPHA (3) = -2.850 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8910
.011	.9400
.015	.8107
.022	.7025
.026	.6104
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .705 ALPHA (4) = -2.140 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9287
.011	.9663
.015	.8177
.022	.7203
.026	.6168
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (2) = .699 ALPHA (5) = -1.400 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9494
.011	.9734
.015	.8397
.022	.7314
.026	.6352
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .697 ALPHA (6) = -.720 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9474
.011	.9832
.015	.8448
.022	.7357
.026	.6480
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (2) = .699 ALPHA (7) = .050 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9569
.011	.9819
.015	.8548
.022	.7435
.026	.6522
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .700 ALPHA (8) = .810 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9606
.011	.9894
.015	.8606
.022	.7549
.026	.6579
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (2) = .703 ALPHA (9) = 1.520 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9551
.011	.9930
.015	.8647
.022	.7596
.026	.6537
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .703 ALPHA (10) = 2.210 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9558
.011	.9854
.015	.8569
.022	.7585
.026	.6667
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (2) = .703 ALPHA (11) = 2.930 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9388
.011	.9689
.015	.8562
.022	.7566
.026	.6719
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (2) = .701 ALPHA (12) = 4.410 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8821
.011	.9213
.015	.8351
.022	.7410
.026	.6536
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (2) = .703 ALPHA (13) = 5.830 RN/L = 3.6629 PO = 2098.1 Q(PSF) = 519.83 P = 1511.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8199
.011	.8576
.015	.8131
.022	.7178
.026	.6440
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .802 ALPHA (1) = -5.810 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8209
.011	.8505
.015	.7695
.022	.6750
.026	.5854
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (3) = .803 ALPHA (2) = -4.370 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8891
.011	.9316
.015	.8157
.022	.7099
.026	.6172
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .801 ALPHA (3) = -2.930 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9511
.011	.9872
.015	.8557
.022	.7498
.026	.6541
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (3) = .800 ALPHA (4) = -2.230 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9748
.011	1.0041
.015	.8725
.022	.7689
.026	.6646
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .803 ALPHA (5) = -1.450 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9937
.011	1.0213
.015	.8933
.022	.7720
.026	.6800
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-I(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (3) = .803 ALPHA (6) = -.820 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9972
.011	1.0249
.015	.8944
.022	.7825
.026	.6913
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .802 ALPHA (7) = -.020 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0009
.011	1.0304
.015	.9049
.022	.7939
.026	.7032
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (3) = .802 ALPHA (8) = .730 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0052
.011	1.0321
.015	.9072
.022	.8002
.026	.7060
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .803 ALPHA (9) = 1.430 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0014
.011	1.0379
.015	.9034
.022	.8038
.026	.7098
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36).264.8 IN.,TANK SURF. (RNY007)

MACH (3) = .804 ALPHA (10) = 2.160 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9964
.011	1.0328
.015	.9068
.022	.8060
.026	.7166
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .802 ALPHA (11) = 2.900 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9885
.011	1.0177
.015	.9039
.022	.8015
.026	.7131
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137]TANK(T36),264.8 IN..TANK SURF. (RNY007)

MACH (3) = .803 ALPHA (12) = 4.350 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9201
.011	.9731
.015	.8854
.022	.7905
.026	.7096
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (3) = .803 ALPHA (13) = 5.770 RN/L = 3.8529 PO = 2097.9 Q(PSF) = 618.36 P = 1373.6

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8841
.011	.9185
.015	.8527
.022	.7743
.026	.6946
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (4) = .901 ALPHA (1) = -5.770 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.8809
.011	.9203
.015	.8287
.022	.7393
.026	.6645
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .903 ALPHA (2) = -4.280 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9477
.011	.9931
.015	.8817
.022	.7812
.026	.7033
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (4) = .903 ALPHA (3) = -2.890 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0130
.011	1.0424
.015	.9147
.022	.8148
.026	.7333
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .901 ALPHA (4) = -2.150 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0374
.011	1.0611
.015	.9339
.022	.8307
.026	.7481
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (4) = .900 ALPHA (5) = -1.430 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0451
.011	1.0718
.015	.9433
.022	.8388
.026	.7580
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .899 ALPHA (6) = -.710 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0482
.011	1.0792
.015	.9525
.022	.8454
.026	.7654
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (4) = .899 ALPHA (7) = .050 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0560
.011	1.0822
.015	.9565
.022	.8549
.026	.7745
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .900 ALPHA (8) = .780 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0556
.011	1.0854
.015	.9578
.022	.8629
.026	.7806
.027	.0000
.044	.0000
.068	.0000
.099	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(136),264.8 IN.,TANK SURF. (RNY007)

MACH (4) = .900 ALPHA (9) = 1.500 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0529
.011	1.0877
.015	.9562
.022	.8626
.026	.7791
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .900 ALPHA (10) = 2.250 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0505
.011	1.0931
.015	.9535
.022	.8685
.026	.7823
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (4) = .901 ALPHA (11) = 2.990 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0327
.011	1.0648
.015	.9566
.022	.8585
.026	.7847
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (4) = .901 ALPHA (12) = 4.390 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9762
.011	1.0268
.015	.9411
.022	.8486
.026	.7761
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (4) = .903 ALPHA (13) = 5.850 RN/L = 3.9212 PO = 2096.8 Q(PSF) = 703.22 P = 1239.2

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9325
.011	.9719
.015	.9144
.022	.8284
.026	.7627
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .948 ALPHA (1) = -5.730 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9251
.011	.9580
.015	.9663
.022	.7797
.026	.7011
.027	.0000
.044	.0000
.068	.0000
.099	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (5) = .951 ALPHA (2) = -4.300 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9801
.011	1.0300
.015	.9141
.022	.8167
.026	.7363
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .951 ALPHA (3) = -2.810 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0430
.011	1.0750
.015	.9532
.022	.8447
.026	.7717
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (5) = .951 ALPHA (4) = -2.130 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0657
.011	1.0983
.015	.9628
.022	.8635
.026	.7823
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .952 ALPHA (5) = -1.430 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0783
.011	1.1076
.015	.9737
.022	.8753
.026	.7956
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (5) = .953 ALPHA (6) = -.700 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0829
.011	1.1094
.015	.9872
.022	.8869
.026	.8019
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .950 ALPHA (7) = .070 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0858
.011	1.1102
.015	.9907
.022	.8899
.026	.8141
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (5) = .947 ALPHA (8) = .780 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0848
.011	1.1154
.015	.9903
.022	.8938
.026	.8139
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .947 ALPHA (9) = 1.490 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0822
.011	1.1168
.015	.9939
.022	.8932
.026	.8173
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (5) = .950 ALPHA (10) = 2.250 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0802
.011	1.1099
.015	.9926
.022	.8965
.026	.8192
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .950 ALPHA (11) = 2.970 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0701
.011	1.0946
.015	.9873
.022	.8919
.026	.8210
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36).264.8 IN..TANK SURF. (RNY007)

MACH (5) = .950 ALPHA (12) = 4.370 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0155
.011	1.0653
.015	.9749
.022	.8855
.026	.8102
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (5) = .949 ALPHA (13) = 5.840 RN/L = 3.9036 PO = 2096.2 Q(PSF) = 740.94 P = 1172.9

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9647
.011	1.0070
.015	.9399
.022	.8622
.026	.7945
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (6) = 1.050 ALPHA (1) = -5.680 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	.9958
.011	1.0363
.015	.9948
.022	.8607
.026	.7906
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.051 ALPHA (2) = -4.250 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0502
.011	1.0983
.015	.9886
.022	.9004
.026	.8283
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (6) = 1.052 ALPHA (3) = -2.850 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1168
.011	1.1411
.015	1.0249
.022	.9298
.026	.8587
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.052 ALPHA (4) = -2.090 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1346
.011	1.1620
.015	1.0346
.022	.9459
.026	.8653
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (6) = 1.050 ALPHA (5) = -1.360 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1461
.011	1.1747
.015	1.0436
.022	.9573
.026	.8789
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.050 ALPHA (6) = -.640 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1482
.011	1.1810
.015	1.0589
.022	.9543
.026	.8845
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.6 IN.,TANK SURF. (RNY007)

MACH (6) = 1.051 ALPHA (7) = .110 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1539
.011	1.1853
.015	1.0671
.022	.9760
.026	.8913
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.051 ALPHA (8) = .830 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1561
.011	1.1861
.015	1.0706
.022	.9706
.026	.9000
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK([136),264.8 IN.,TANK SURF. (RNY007)

MACH (6) = 1.050 ALPHA (9) = 1.540 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1555
.011	1.1840
.015	1.0706
.022	.9782
.026	.9028
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.051 ALPHA (10) = 2.290 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1502
.011	1.1795
.015	1.0694
.022	.9790
.026	.9063
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC(4-143-1('A137)TANK(T36),264.8 IN ,TANK SURF (RNY007)

MACH (6) = 1.049 ALPHA (11) = 3.010 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1278
.011	1.1647
.015	1.0580
.022	.9740
.026	.9019
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (6) = 1.049 ALPHA (12) = 4.460 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0869
.011	1.1262
.015	1.0454
.022	.9647
.026	.8938
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (6) = 1.050 ALPHA (13) = 5.860 RN/L = 3.8679 PO = 2097.1 Q(PSF) = 806.07 P = 1043.3

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0484
.011	1.0818
.015	1.0221
.022	.9446
.026	.9807
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.099 ALPHA (1) = -5.710 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0324
.011	1.0760
.015	.9875
.022	.9029
.026	.8408
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36).264.8 IN..TANK SURF. (RNY007)

MACH (7) = 1.100 ALPHA (2) = -4.280 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0952
.011	1.1274
.015	1.0285
.022	.9465
.026	.9705
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.102 ALPHA (3) = -2.790 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1562
.011	1.1850
.015	1.0676
.022	.9689
.026	.9824
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (7) = 1.103 ALPHA (4) = -2.080 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1780
.011	1.1994
.015	1.0800
.022	.9879
.026	.9155
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.102 ALPHA (5) = -1.330 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1811
.011	1.2083
.015	1.0925
.022	.9932
.026	.9248
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (7) = 1.101 ALPHA (6) = -.680 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1871
.011	1.2146
.015	1.0999
.022	1.0048
.026	.9307
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.102 ALPHA (7) = .080 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1913
.011	1.2263
.015	1.1047
.022	1.0150
.026	.9337
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (7) = 1.101 ALPHA (8) = .780 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1924
.011	1.2226
.015	1.1092
.022	1.0177
.026	.9384
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.103 ALPHA (9) = 1.480 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1926
.011	1.2289
.015	1.1111
.022	1.0179
.026	.9422
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (7) = 1.102 ALPHA (10) = 2.240 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1862
.011	1.2183
.015	1.1110
.022	1.0235
.026	.9406
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.102 ALPHA (11) = 2.980 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1839
.011	1.2033
.015	1.1039
.022	1.0119
.026	.9486
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36).264.8 IN.,TANK SURF. (RNY007)

MACH (7) = 1.102 ALPHA (12) = 4.430 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1357
.011	1.1728
.015	1.0880
.022	1.0057
.026	.9379
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (7) = 1.101 ALPHA (13) = 5.880 RN/L = 3.8671 PO = 2097.5 Q(PSF) = 832.76 P = 980.36

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0796
.011	1.1204
.015	1.0550
.022	.9897
.026	.9235
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

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ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (8) = 1.151 ALPHA (1) = -5.710 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.0564
.011	1.0815
.015	1.0121
.022	.9297
.026	.8518
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (8) = 1.150 ALPHA (2) = -4.250 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1139
.011	1.1518
.015	1.0473
.022	.9589
.026	.9837
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (8) = 1.151 ALPHA (3) = -2.840 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1710
.011	1.1981
.015	1.0895
.022	.9911
.026	.9172
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (8) = 1.151 ALPHA (4) = -2.100 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2002
.011	1.2292
.015	1.1000
.022	1.0119
.026	.9280
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1(IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (8) = 1.150 ALPHA (5) = -1.370 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2015
.011	1.2355
.015	1.1092
.022	1.0140
.026	.9356
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (8) = 1.152 ALPHA (6) = -.670 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2095
.011	1.2407
.015	1.1158
.022	1.0274
.026	.9433
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (8) = 1.151 ALPHA (7) = .090 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2160
.011	1.2431
.015	1.1245
.022	1.0326
.026	.9534
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (8) = 1.152 ALPHA (8) = .840 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2216
.011	1.2501
.015	1.1351
.022	1.0413
.026	.9531
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([A137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (8) = 1.152 ALPHA (9) = 1.550 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2189
.011	1.2476
.015	1.1273
.022	1.0384
.026	.9624
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (8) = 1.152 ALPHA (10) = 2.260 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.2159
.011	1.2449
.015	1.1293
.022	1.0405
.026	.9662
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.252	.0000

ARC14-143-1((IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (8) = 1.151 ALPHA (11) = 3.000 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1994
.011	1.2294
.015	1.1235
.022	1.0419
.026	.9605
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

MACH (8) = 1.151 ALPHA (12) = 4.400 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1531
.011	1.1953
.015	1.1046
.022	1.0289
.026	.9555
.027	.0000
.044	.0000
.068	.0000
.098	.0000
.128	.0000
.129	.0000
.163	.0000
.197	.0000
.214	.0000
.235	.0000
.262	.0000

ARC14-143-1([IA137)TANK(T36),264.8 IN.,TANK SURF. (RNY007)

MACH (8) = 1.151 ALPHA (13) = 5.850 RN/L = 3.8521 PO = 2097.9 Q(PSF) = 854.59 P = 921.71

SECTION (1)TANK SURFACE DEPENDENT VARIABLE CP

THETA 30.0000

XT/L	
.010	1.1134
.011	1.1405
.015	1.0927
.022	1.0150
.026	.9464
.027	.9000
.044	.9000
.068	.9000
.098	.9000
.128	.9000
.129	.9000
.163	.9000
.197	.9000
.214	.9000
.235	.9000
.252	.9000

ARC14-143-1(IA137) TANK(T36),331 IN. (RNY001) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 1/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.551	-8.210	1.05840	.58150	.76790	.55170	.59360	.00000
.553	-6.130	1.07550	.60400	.74300	.61310	.63540	.00000
.554	-4.160	1.07960	.63220	.72310	.63900	.65230	.00000
.553	-3.070	1.07960	.64490	.70990	.65310	.67590	.00000
.553	-2.140	1.08110	.65310	.70590	.66600	.67800	.00000
.553	-1.070	1.07790	.66610	.68760	.66950	.68160	.00000
.552	.000	1.08420	.67800	.67410	.68020	.68190	.00000
.553	1.020	1.08270	.68490	.66730	.67240	.67590	.00000
.552	2.060	1.08120	.69930	.65670	.67520	.67520	.00000
.553	3.060	1.08090	.71030	.64570	.67290	.66210	.00000
.553	4.060	1.07920	.72200	.63810	.66050	.64630	.00000
.552	6.120	1.06880	.74720	.61340	.63580	.61690	.00000
.552	8.150	1.05380	.76670	.58020	.59700	.56460	.00000
	GRADIENT	.00012	.01079	-.01055	.00272	-.00122	.00000

RUN NO. 2/ 0 RN/L = 3.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.699	-8.090	1.11300	.62610	.80860	.60370	.64030	.00000
.700	-6.130	1.12330	.64790	.78520	.64700	.67180	.00000
.698	-4.020	1.12920	.67760	.76470	.68550	.70310	.00000
.698	-3.070	1.12800	.69090	.75050	.69730	.71340	.00000
.699	-2.000	1.13080	.69840	.74170	.70870	.72320	.00000
.699	-.970	1.12980	.70430	.73140	.71330	.72260	.00000
.698	.140	1.13130	.71850	.72090	.71880	.72120	.00000
.700	1.100	1.13220	.73190	.71070	.72160	.72100	.00000
.700	2.230	1.13030	.73910	.69830	.71860	.71220	.00000
.698	3.150	1.12960	.74940	.68930	.71330	.70600	.00000
.698	4.160	1.13030	.76180	.67780	.70850	.69000	.00000
.701	6.190	1.12590	.78460	.65610	.68630	.66850	.00000
.696	8.290	1.10900	.80440	.62670	.64930	.61730	.00000
	GRADIENT	.00017	.01002	-.01031	.00273	-.00157	.00000

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ARC14-143-1((IA137) TANK(T36),331 IN. (RNY001) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 7/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.802	-8.250	1.15720	.67050	.85310	.64470	.68540	.00000
.806	-6.220	1.16850	.70280	.82960	.69820	.72890	.00000
.801	-4.180	1.17110	.72100	.80560	.72450	.74730	.00000
.802	-3.110	1.17410	.72870	.79290	.74190	.75370	.00000
.802	-2.100	1.17360	.74040	.78410	.75130	.76090	.00000
.803	-1.170	1.17550	.75110	.77530	.75560	.76190	.00000
.804	-.040	1.17640	.76260	.76290	.75880	.76570	.00000
.799	1.020	1.17240	.76960	.75180	.76070	.76170	.00000
.802	1.990	1.17440	.78140	.74250	.76340	.75690	.00000
.803	3.090	1.17390	.79200	.73450	.75870	.74890	.00000
.802	4.040	1.17350	.80430	.72240	.74820	.73860	.00000
.801	6.130	1.16330	.82650	.70100	.73160	.71170	.00000
.801	8.180	1.15620	.84450	.67540	.69590	.67770	.00000
	GRADIENT	.00012	.01008	-.00994	.00282	-.00093	.00000

RUN NO. 6/ 0 RN/L = 4.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.902	-8.070	1.20770	.73310	.90570	.71470	.74490	.00000
.901	-6.100	1.21720	.75010	.87820	.73[illegible]0	.77940	.00000
.901	-4.080	1.22090	.77590	.85690	.[illegible]70	.80540	.00000
.901	-3.030	1.22270	.78370	.84900	.79660	.80810	.00000
.902	-2.020	1.22370	.79790	.83840	.80360	.81650	.00000
.902	-1.010	1.22420	.80450	.82710	.81310	.81910	.00000
.902	.080	1.22330	.81780	.81930	.82000	.81800	.00000
.902	1.300	1.22370	.82750	.80710	.81990	.81510	.00000
.902	2.160	1.22320	.83480	.79910	.81480	.81240	.00000
.900	3.220	1.22110	.84550	.78660	.81130	.80350	.00000
.900	4.210	1.21980	.85760	.78100	.80760	.79370	.00000
.900	6.240	1.21730	.87680	.75760	.78180	.76470	.00000
.899	8.230	1.20410	.90070	.74130	.76040	.72570	.00000
	GRADIENT	-.00017	.00973	-.00942	.00298	-.00115	.00000

ARC14-143-1(IA137) TANK(T36),331 IN. (RNY001) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 5/ 0 RN/L = 4.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.950	-8.030	1.23440	.77080	.93490	.75600	.78030	.00000
.952	-6.090	1.24250	.79280	.91240	.79200	.81630	.00000
.954	-4.060	1.25110	.81660	.89280	.82200	.83990	.00000
.954	-2.996	1.25150	.82420	.88170	.83600	.84900	.00000
.954	-2.009	1.25180	.83280	.87130	.83830	.85150	.00000
.951	-.940	1.25110	.84240	.86020	.84890	.85390	.00000
.951	.050	1.25130	.85230	.85280	.85150	.85420	.00000
.950	1.140	1.24880	.85870	.84430	.85130	.85020	.00000
.952	2.180	1.24990	.87490	.83510	.85090	.84400	.00000
.951	3.230	1.24980	.88050	.82630	.84730	.83830	.00000
.950	4.180	1.24880	.89080	.81910	.83850	.83430	.00000
.951	6.170	1.24140	.91380	.79790	.82360	.80630	.00000
.950	8.250	1.23260	.93440	.77710	.79310	.77520	.00000
	GRADIENT	-.00033	.00912	-.00885	.00206	-.00118	.00000

RUN NO. 4/ 0 RN/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
1.051	-8.080	1.29510	.85110	1.00540	.83870	.86600	.00000
1.054	-6.050	1.30570	.87540	.99240	.87730	.90450	.00000
1.055	-4.010	1.30970	.89900	.97000	.90550	.91910	.00000
1.051	-2.960	1.30990	.90450	.95780	.91650	.92360	.00000
1.053	-1.780	1.31120	.91620	.95390	.92280	.92860	.00000
1.051	-.910	1.31060	.91990	.93960	.92740	.92920	.00000
1.051	.280	1.31060	.92860	.93070	.92900	.93060	.00000
1.051	1.210	1.30960	.93540	.92400	.93190	.92840	.00000
1.051	2.190	1.30790	.94550	.91240	.93230	.92610	.00000
1.051	3.240	1.31040	.95920	.90560	.92570	.92010	.00000
1.051	4.240	1.30920	.96910	.89770	.92430	.90890	.00000
1.050	6.270	1.30480	.98560	.87890	.90830	.88430	.00000
1.050	8.360	1.29300	1.00800	.86000	.88070	.85000	.00000
	GRADIENT	-.00013	.00840	-.00882	.00237	-.00089	.00000

ARC14-143-1(IA137) TANK(T36),331 IN. (RNY001) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 3/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
1.088	-8.030	1.31740	.88760	1.03980	.87380	.90220	.00000
1.090	-6.030	1.32870	.90990	1.02280	.91050	.93180	.00000
1.090	-3.960	1.33200	.93000	1.00280	.93420	.95000	.00000
1.091	-3.000	1.33560	.93590	.99090	.94460	.95540	.00000
1.091	-1.880	1.33470	.94580	.98080	.95430	.96560	.00000
1.091	-.860	1.33450	.95500	.97030	.96010	.96050	.00000
1.092	.080	1.33470	.96330	.96560	.96480	.96480	.00000
1.091	1.180	1.33410	.96880	.95650	.96630	.96370	.00000
1.091	2.140	1.33500	.97600	.94550	.96080	.95630	.00000
1.090	3.230	1.33330	.99050	.93840	.95710	.94990	.00000
1.090	4.240	1.33330	.99700	.93090	.96030	.94630	.00000
1.089	6.250	1.32780	1.01440	.91100	.94180	.91750	.00000
1.088	8.240	1.31710	1.04080	.89290	.91660	.88300	.00000
	GRADIENT	-.00003	.00822	-.00860	.00262	-.00076	.00000

ARC14-143-1(IA137) TANK(T36),264.8 IN. (RNY002) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. YMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 21/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.550	-8.160	1.05810	.56050	.75290	.54930	.57900	.00000
.550	-6.100	1.07160	.59400	.72940	.59440	.6c710	.00000
.551	-4.120	1.07820	.62090	.70570	.62900	.64790	.00000
.551	-3.100	1.07940	.62860	.69810	.64320	.65480	.00000
.550	-2.080	1.07980	.64450	.68140	.65010	.66130	.00000
.550	-1.120	1.07840	.65220	.67460	.65480	.66470	.00000
.551	.000	1.08010	.65850	.66070	.66150	.66580	.00000
.551	1.090	1.08100	.67670	.64890	.66260	.66260	.00000
.551	2.080	1.07990	.68560	.64330	.65950	.65700	.00000
.551	3.030	1.08140	.69980	.63220	.65230	.64800	.00000
.551	4.050	1.08180	.71030	.62350	.65430	.63720	.00000
.551	6.150	1.07190	.73010	.59610	.61840	.60590	.00000
.551	8.110	1.06020	.75110	.56850	.59000	.56390	.00000
	GRADIENT	.00038	.01100	-.01021	.00253	-.00118	.00000

RUN NO. 22/ 0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.704	-8.120	1.11590	.62180	.79670	.60100	.62530	.00000
.701	-6.090	1.12120	.64430	.77040	.64580	.66730	.00000
.700	-4.000	1.12880	.66970	.74990	.67660	.69430	.00000
.699	-3.050	1.13210	.67650	.74260	.69000	.69720	.00000
.700	-2.030	1.13260	.68500	.72670	.70000	.70780	.00000
.700	-1.000	1.12960	.69680	.71840	.70010	.70700	.00000
.699	.060	1.13090	.70870	.70660	.70690	.70930	.00000
.700	1.130	1.13210	.71790	.69420	.70830	.70440	.00000
.703	2.150	1.13170	.72890	.68780	.70780	.70330	.00000
.701	3.180	1.13070	.74050	.67400	.70490	.69170	.00000
.702	4.120	1.12930	.75250	.66660	.69500	.68090	.00000
.701	6.200	1.12470	.77530	.64710	.67340	.65310	.00000
.699	8.290	1.11060	.79540	.61760	.63760	.60410	.00000
	GRADIENT	-.00002	.01025	-.01040	.00231	-.00132	.00000

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ARC14-143-1(IA137) TANK(T36),264.8 IN. (RNY002) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 23/ 0 RN/L = 3.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.798	-8.200	1.15570	.66190	.83790	.65300	.68050	.00000
.799	-6.130	1.16470	.68780	.81140	.68710	.71750	.00000
.797	-4.100	1.17020	.71010	.78990	.71930	.73780	.00000
.801	-3.130	1.17200	.72090	.78160	.73310	.74720	.00000
.801	-2.120	1.17210	.73060	.77540	.74170	.75190	.00000
.798	-1.100	1.17190	.73810	.76050	.74800	.75030	.00000
.799	-.060	1.17320	.75130	.75310	.74830	.75280	.00000
.798	.980	1.17080	.75790	.74370	.75150	.75310	.00000
.798	2.020	1.17090	.77180	.73240	.74740	.74380	.00000
.798	3.060	1.17060	.77980	.71910	.74810	.73940	.00000
.804	4.060	1.17400	.79330	.71480	.73970	.72840	.00000
.799	6.110	1.16550	.81530	.68990	.71550	.69600	.00000
.800	8.180	1.15440	.83770	.66410	.68810	.66970	.00000
	GRADIENT	.00012	.00993	-.00960	.00228	-.00122	.00000

RUN NO. 24/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.900	-8.110	1.20790	.72350	.89310	.71360	.74750	.00000
.901	-6.010	1.21690	.75060	.86920	.75240	.77630	.00000
.900	-3.940	1.22030	.77270	.84900	.78070	.80020	.00000
.901	-1.990	1.22270	.79210	.82980	.79760	.80980	.00000
.901	-1.000	1.22310	.80180	.81880	.80710	.81110	.00000
.902	.050	1.22270	.81110	.81110	.81110	.81440	.00000
.901	1.100	1.22340	.81960	.80170	.81080	.81190	.00000
.901	2.170	1.22160	.82980	.79300	.80850	.80670	.00000
.901	3.130	1.22220	.84050	.78290	.80840	.80040	.00000
.900	4.150	1.21970	.84800	.77290	.79790	.78730	.00000
.900	6.210	1.21410	.87090	.75240	.77940	.76010	.00000
.900	8.220	1.20570	.89160	.73120	.75250	.73270	.00000
	GRADIENT	-.00007	.00930	-.00922	.00217	-.00142	.00000

ARC14-143-1(IA137) TANK(T36),264.8 IN. (RNY002) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 27/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.947	-8.080	1.23260	.76440	.92780	.74950	.78200	.00000
.949	-6.060	1.24230	.78680	.90580	.78620	.81380	.00000
.951	-3.980	1.24850	.81060	.88620	.81340	.83240	.00000
.951	-3.030	1.24760	.82030	.87670	.82680	.83640	.00000
.951	-1.950	1.24900	.82430	.86270	.83730	.84820	.00000
.949	-.990	1.24850	.83410	.85420	.84060	.84750	.00000
.951	.080	1.25010	.84750	.84650	.84690	.84900	.00000
.951	1.110	1.25010	.85490	.83710	.84890	.84930	.00000
.950	2.120	1.24840	.86280	.82990	.84750	.84120	.00000
.950	3.140	1.25010	.87610	.81990	.84610	.83640	.00000
.950	4.170	1.24730	.88450	.80880	.83580	.82570	.00000
.949	6.280	1.24210	.90580	.79260	.81250	.79760	.00000
.950	8.320	1.23300	.92490	.77030	.79070	.77140	.00000
	GRADIENT	.00005	.00914	-.00917	.00287	-.00064	.00000

RUN NO. 26/ 0 RN/L = 3.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
1.051	-8.140	1.29550	.84820	1.00300	.83760	.85610	.00000
1.051	-6.070	1.30470	.87280	.98630	.87210	.89250	.00000
1.051	-3.870	1.30780	.89130	.96510	.90270	.91830	.00000
1.051	-2.930	1.31030	.90050	.95400	.90990	.92320	.00000
1.050	-1.890	1.30790	.90830	.94680	.91770	.92540	.00000
1.049	-.980	1.30760	.91360	.93370	.92390	.92500	.00000
1.049	.140	1.30990	.92710	.92900	.92560	.92980	.00000
1.050	1.150	1.30980	.93170	.91570	.92690	.92780	.00000
1.049	2.160	1.30820	.94070	.91160	.92910	.92050	.00000
1.049	3.190	1.30840	.95250	.90060	.92430	.91570	.00000
1.049	4.250	1.30740	.96490	.89200	.91580	.90630	.00000
1.051	6.270	1.30400	.98600	.87750	.90040	.88120	.00000
1.050	8.270	1.29420	1.00110	.85640	.87580	.85870	.00000
	GRADIENT	-.00007	.00874	-.00885	.00196	-.00129	.00000

ORIGINAL PAGE IS OF POOR QUALITY

ARC14-143-1(IA137) TANK(T36),264.8 IN. (RNY002) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 25/ 0 RN/L = 3.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
1.101	-8.040	1.33030	.89610	1.04320	.88840	.91330	.00000
1.101	-6.040	1.33310	.91360	1.02760	.91150	.93600	.00000
1.102	-3.950	1.34140	.93160	1.00160	.94240	.95600	.00000
1.099	-2.930	1.33990	.94120	.99170	.95080	.95970	.00000
1.099	-1.910	1.34080	.94560	.98330	.95460	.96340	.00000
1.100	-.930	1.34090	.95320	.97310	.96180	.96600	.00000
1.101	.090	1.34070	.96710	.96870	.96800	.97060	.00000
1.101	1.120	1.34050	.97400	.95990	.96820	.96950	.00000
1.101	2.230	1.33940	.98180	.94840	.96650	.96270	.00000
1.100	3.250	1.33880	.99280	.94470	.96180	.95470	.00000
1.101	4.220	1.33980	1.00490	.93700	.95980	.95170	.00000
1.099	6.210	1.33460	1.02080	.91540	.94210	.92450	.00000
1.099	8.320	1.32380	1.04060	.89930	.9 350	.89050	.00000
	GRADIENT	-.00021	.00876	-.00783	.00214	-.00051	.00000

ARC14-143-1(IA137) TANK(T36),264.8 IN. (RNY003) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 28/ 0 RN/L = 3.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.549	-8.160	1.06090	.55690	.75900	.55090	.58320	.00000
.550	-6.130	1.07600	.59230	.73470	.59530	.61930	.00000
.553	-4.070	1.08300	.62200	.71010	.62840	.65390	.00000
.550	-3.070	1.08230	.62520	.70060	.63850	.65520	.00000
.551	-2.060	1.08260	.64280	.69030	.65010	.66450	.00000
.552	-1.060	1.08230	.64800	.67490	.65950	.66590	.00000
.551	-.010	1.08270	.66530	.66330	.65820	.66630	.00000
.550	1.010	1.08110	.67160	.65480	.66900	.66210	.00000
.552	2.000	1.08320	.68310	.64340	.66260	.65490	.00000
.552	3.030	1.08290	.69770	.63670	.66520	.65240	.00000
.551	4.070	1.08040	.70590	.61900	.64510	.63520	.00000
.552	6.100	1.07300	.72580	.59230	.62300	.60300	.00000
.552	8.140	1.05920	.75180	.56980	.58350	.56470	.00000
	GRADIENT	-.00014	.01077	-.01098	.00296	-.00175	.00000

ARC14-143-1(IA137) T36 BICON. PROBE ALONE (RNY004) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 29/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.550	-8.190	1.06490	.38300	.55350	.37920	.42520	.00000
.550	-6.140	1.07790	.40650	.53900	.41670	.45160	.00000
.549	-4.150	1.08110	.42970	.51260	.44040	.46690	.00000
.549	-3.140	1.08020	.44730	.50710	.45330	.47120	.00000
.550	-2.070	1.07980	.45180	.49720	.46370	.47560	.00000
.552	-1.110	1.08290	.46400	.48980	.47330	.47880	.00000
.551	.020	1.08300	.48000	.47830	.47660	.48340	.00000
.548	1.030	1.07920	.48710	.46700	.47980	.48190	.00000
.550	2.050	1.07980	.49920	.45530	.47360	.47230	.00000
.553	3.100	1.07840	.50590	.44690	.47560	.46880	.00000
.552	4.060	1.09140	.51780	.43560	.45600	.46230	.00000
.552	6.100	1.07930	.53470	.41190	.44920	.43180	.00000
.551	8.140	1.06890	.56120	.39150	.43600	.41190	.00000
	GRADIENT	-.00013	.01040	-.00961	.00253	-.00046	.00000

RUN NO. 35/ 0 RN/L = 3.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.702	-8.100	1.12460	.42800	.60110	.43130	.46660	.00000
.704	-6.050	1.13210	.45470	.57900	.46710	.49690	.00000
.699	-4.050	1.12990	.48000	.55790	.49010	.50960	.00000
.705	-3.020	1.13400	.48060	.54580	.49240	.51040	.00000
.701	-2.030	1.13130	.50010	.5396.	.51020	.52420	.00000
.700	-.970	1.13250	.50880	.52160	.51390	.52250	.00000
.702	.050	1.13260	.51810	.52050	.52490	.52050	.00000
.702	1.080	1.13100	.52800	.50810	.52110	.52260	.00000
.701	2.190	1.13080	.53640	.49560	.51590	.51920	.00000
.703	3.160	1.13250	.55030	.49320	.51890	.51600	.00000
.702	4.190	1.13050	.56190	.47960	.51010	.50710	.00000
.704	6.180	1.12960	.58130	.45750	.49530	.48560	.00000
.702	8.220	1.12490	.60250	.43430	.47280	.44880	.00000
	GRADIENT	-.00007	.01014	-.00921	.00286	-.00006	.00000

ARC14-143-1((1A137) T36 BICON. PROBE ALONE (RNY004) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 300

RUN NO. 34/ 0 RN/L = 3.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.802	-8.180	1.16670	.47040	.64110	.47280	.50530	.00000
.803	-6.230	1.17290	.49040	.61810	.50390	.53250	.00000
.796	-4.160	1.17090	.51320	.59600	.52980	.54710	.00000
.804	-2.110	1.17680	.53480	.58060	.54630	.55920	.00000
.799	-1.070	1.17320	.54480	.56640	.55310	.56640	.00000
.803	-.020	1.17580	.55720	.55750	.54750	.55770	.00000
.800	.990	1.17190	.56510	.54880	.55710	.56260	.00000
.801	2.050	1.17490	.57300	.53980	.55800	.55830	.00000
.801	2.990	1.17420	.58280	.53110	.55780	.55160	.00000
.801	4.090	1.17220	.59470	.52040	.54960	.54740	.00000
.801	6.130	1.17270	.61420	.49950	.53230	.51780	.00000
.798	8.100	1.16520	.63740	.47950	.51360	.49150	.00000
	GRADIENT	.00003	.00987	-.00923	.00254	-.00036	.00000

RUN NO. 30/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.899	-8.090	1.21550	.52390	.68830	.52810	.56210	.00000
.900	-6.090	1.21960	.54530	.66480	.55720	.58630	.00000
.898	-4.010	1.22120	.56850	.64390	.57620	.59960	.00000
.903	-3.030	1.22300	.57820	.63590	.58940	.60650	.00000
.901	-1.950	1.22330	.59120	.62880	.59740	.60920	.00000
.899	-.960	1.22100	.59790	.61660	.60270	.61350	.00000
.901	.090	1.22290	.60670	.60710	.60670	.61350	.00000
.901	1.130	1.22140	.61630	.60030	.60750	.61700	.00000
.899	2.110	1.22050	.62450	.58979	.60750	.60910	.00000
.905	3.110	1.22430	.63760	.58243	.60350	.60310	.00000
.901	4.190	1.22190	.64730	.57203	.60120	.59530	.00000
.899	6.170	1.21870	.66840	.55153	.58690	.57190	.00000
.904	8.270	1.21740	.66370	.53600	.56770	.54800	.00000
	GRADIENT	.00002	.00942	-.00883	.00273	-.00039	.00000

ARC14-143-1(IA137) T36 BICON. PROBE ALONE (RNY004) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 31/ 0 RN/L = 3.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.950	-8.070	1.24260	.56650	.72460	.57090	60110	.00000
.950	-6.040	1.24840	.58790	.69770	.59350	.62210	.00000
.951	-4.030	1.24940	.60560	.67850	.61720	.63870	.00000
.951	-3.060	1.24880	.61360	.67060	.62560	.64230	.00000
.950	-1.970	1.24870	.62560	.65910	.63290	.64500	.00000
.950	-1.000	1.24840	.63080	.65060	.63600	.64600	.00000
.950	.050	1.24940	.64230	.64270	.63940	.64940	.00000
.950	1.130	1.24980	.65170	.63270	.64100	.64690	.00000
.951	2.160	1.25060	.66140	.62370	.64160	.64220	.00000
.951	3.170	1.24850	.67220	.61660	.64030	.63840	.00000
.950	4.140	1.24900	.67990	.60620	.63890	.63160	.00000
.952	6.170	1.24890	.70130	.59190	.62500	.61480	.00000
.951	8.220	1.24450	.72480	.57130	.60350	.58540	.00000
	GRADIENT	.00005	.00916	-.00874	.00248	-.00072	.00000

RUN NO. 33/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
1.099	-8.000	1.33000	.68830	.84230	.69350	.72930	.00000
1.102	-6.040	1.33670	.70740	.82440	.72040	.74410	.00000
1.103	-4.010	1.33880	.72710	.80080	.74380	.76240	.00000
1.101	-3.010	1.33790	.73710	.79210	.74320	.76230	.00000
1.105	-1.880	1.34110	.74670	.78200	.75230	.76520	.00000
1.095	-.940	1.33350	.74890	.77340	.75710	.76430	.00000
1.097	.080	1.33540	.75920	.76380	.76220	.76630	.00000
1.096	1.130	1.33640	.76840	.75280	.76020	.76470	.00000
1.100	2.150	1.33910	.78170	.74650	.76020	.76150	.00000
1.100	3.160	1.33850	.78920	.73990	.76230	.76230	.00000
1.099	4.270	1.34010	.80060	.73130	.75650	.75590	.00000
1.100	6.250	1.33520	.81700	.71980	.74540	.73940	.00000
1.099	8.280	1.33200	.84270	.70240	.73590	.71740	.00000
	GRADIENT	.00010	.00874	-.00852	.00205	-.00054	.00000

ARC14-143-1([A137) T36 BICON. PROBE ALONE (RNY004) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = .000

RUN NO. 32/ 0 RN/L = 3.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
1.152	-8.010	1.36490	.72590	.87120	.72970	.75740	.00000
1.150	-6.060	1.36820	.74110	.84880	.75100	.77650	.00000
1.152	-4.010	1.37100	.75950	.82560	.77310	.78810	.00000
1.153	-2.990	1.37120	.76770	.82110	.78080	.79380	.00000
1.152	-1.960	1.36970	.77340	.81450	.78240	.79430	.00000
1.152	-.930	1.37050	.78360	.80380	.79010	.79840	.00000
1.152	.110	1.37020	.79150	.79350	.79150	.79670	.00000
1.150	1.160	1.37030	.79360	.78470	.79170	.79620	.00000
1.150	2.190	1.37060	.80350	.77650	.79090	.79200	.00000
1.151	3.130	1.37000	.81870	.76530	.79020	.78620	.00000
1.151	4.230	1.36910	.82940	.75950	.78590	.78320	.00000
1.150	6.240	1.36870	.84740	.74530	.77750	.76680	.00000
1.149	8.260	1.36340	.86960	.72900	.76160	.74380	.00000
	GRADIENT	-.00016	.00842	-.00854	.00159	-.00079	.00000

ARC14-143-1(IA137) TANK(T36),33] IN. (RNY005) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 90.000

RUN NO. 8/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.548	-8.180	1.06210	.56660	.59880	.76730	.58490	.00000
.547	-6.190	1.07630	.60930	.63420	.74500	.61280	.00000
.550	-4.180	1.07840	.64090	.65950	.72100	.63360	.00000
.548	-3.090	1.07780	.65780	.66000	.71000	.64650	.00000
.549	-2.120	1.09030	.67140	.67050	.69350	.65350	.00000
.550	-1.080	1.08360	.67840	.67320	.68490	.66980	.00000
.560	.020	1.07970	.67960	.67440	.67440	.68300	.00000
.551	1.040	1.07860	.68170	.67000	.66480	.69460	.00000
.550	2.010	1.07970	.67700	.65920	.65150	.70120	.00000
.550	3.190	1.07970	.66280	.65070	.64170	.71680	.00000
.550	4.120	1.07710	.66550	.64170	.62830	.71910	.00000
.550	6.160	1.06650	.63240	.60650	.60090	.74990	.00000
.549	8.160	1.05270	.59460	.56040	.57170	.77280	.00000
	GRADIENT	-.00009	.00203	-.00200	-.01088	.01079	.00000

RUN NO. 9/ 0 RN/L = 3.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.702	-8.170	1.11600	.61780	.64370	.81320	.63370	.00000
.702	-6.100	1.12450	.65200	.68180	.78880	.65740	.00000
.703	-3.960	1.13030	.69100	.70500	.76240	.68470	.00000
.702	-2.960	1.13060	.70680	.71080	.75010	.69450	.00000
.701	-2.010	1.13280	.71330	.71750	.73950	.70570	.00000
.699	-.960	1.13220	.71580	.71460	.72910	.71190	.00000
.700	.140	1.13160	.71870	.71540	.71570	.72570	.00000
.700	1.080	1.13110	.72620	.71510	.70820	.73680	.00000
.701	2.120	1.13180	.72030	.70980	.69930	.74680	.00000
.700	3.190	1.13050	.71390	.70060	.68170	.75450	.00000
.701	4.180	1.13130	.70710	.68940	.67460	.77050	.00000
.701	6.230	1.11920	.68220	.65210	.64910	.78760	.00000
.701	8.290	1.10430	.65230	.60780	.61710	.81840	.00000
	GRADIENT	.00001	.00178	-.00184	-.01073	.01028	.00000

ARC14-143-1(IA137) TANK(T36).331 IN. (RNY005) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 90.000

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RUN NO. 14/ 0 RN/L = 3.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.802	-8.190	1.16190	.66110	.69360	.85070	.67800	.00000
.802	-6.190	1.16960	.69960	.72640	.82360	.70620	.00000
.804	-4.140	1.17390	.73300	.75060	.80410	.72340	.00000
.800	-3.160	1.17380	.74410	.75220	.79240	.73170	.00000
.800	-2.070	1.17250	.75790	.75290	.77840	.74050	.00000
.799	-1.060	1.17330	.75990	.75390	.77180	.75390	.00000
.798	.120	1.17250	.76170	.75590	.75670	.76450	.00000
.803	1.000	1.17520	.76360	.75510	.74950	.77850	.00000
.802	1.940	1.17310	.75950	.74870	.73880	.76450	.00000
.803	3.030	1.17360	.75790	.73750	.72970	.79570	.00000
.802	4.050	1.17020	.74800	.72890	.71850	.80700	.00000
.802	6.070	1.16660	.72960	.69500	.69500	.83100	.00000
.802	8.110	1.14940	.68990	.66210	.67240	.85190	.00000
	GRADIENT	-.00020	.00179	-.00231	-.01030	.01040	.00000

RUN NO. 13/ 0 RN/L = 3.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.909	-8.130	1.21480	.73000	.76420	.90820	.75020	.00000
.902	-6.120	1.21790	.75900	.78530	.88050	.76230	.00000
.901	-4.070	1.22180	.79180	.80420	.85870	.78090	.00000
.902	-3.050	1.22340	.80090	.81000	.84800	.79030	.00000
.903	-2.010	1.22110	.81020	.81290	.83760	.80380	.00000
.902	-.970	1.22250	.81520	.81540	.82490	.81050	.00000
.902	.270	1.22270	.82090	.81320	.81650	.82160	.00000
.900	1.300	1.22220	.81620	.81000	.80420	.83450	.00000
.901	2.180	1.22220	.81510	.80530	.79540	.83900	.00000
.899	3.150	1.22170	.81020	.79350	.78400	.84610	.00000
.899	4.150	1.22040	.80360	.78680	.77280	.85840	.00000
.899	6.210	1.21190	.78550	.75870	.75320	.88160	.00000
.900	8.230	1.20180	.75370	.72840	.72950	.90620	.00000
	GRADIENT	-.00014	.00145	-.00219	-.01030	.00921	.00000

ARC14-143-1(IA137) TANK(T36),33 IN. (RNY005) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 90.000

RUN NO. 12/ 0 RN/L = 3.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.952	-8.140	1.23750	.75460	.79220	.93590	.78000	.00000
.949	-6.080	1.24510	.79490	.81780	.91460	.79740	.00000
.949	-4.070	1.24710	.82270	.83410	.88720	.81410	.00000
.949	-3.030	1.24880	.83270	.84030	.87640	.82200	.00000
.950	-1.960	1.24890	.84310	.84520	.86830	.83550	.00000
.950	-.960	1.24950	.84670	.84650	.85740	.84370	.00000
.950	.200	1.24930	.85540	.84840	.84690	.85600	.00000
.951	1.120	1.24950	.85180	.84550	.83830	.86570	.00000
.951	2.190	1.25090	.85220	.83840	.82910	.87160	.00000
.951	3.090	1.24850	.84730	.83150	.82080	.88360	.00000
.950	4.210	1.24830	.84050	.82220	.80920	.89460	.00000
.950	6.250	1.24350	.82080	.79930	.79300	.91390	.00000
.949	8.210	1.23160	.79360	.75870	.76440	.93580	.00000
	GRADIENT	.00013	.00227	-.00140	-.00932	.00972	.00000

RUN NO. 11/ 0 RN/L = 3.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
1.049	-7.980	1.30040	.83890	.97840	1.00320	.85630	.00000
1.053	-6.050	1.30790	.88610	.90130	.98740	.88360	.00000
1.052	-4.070	1.31020	.90620	.91460	.97070	.89810	.00000
1.051	-3.010	1.31010	.91390	.92180	.95850	.90540	.00000
1.052	-1.940	1.31020	.92090	.92780	.95010	.91490	.00000
1.052	-.880	1.30930	.92980	.92050	.94100	.92440	.00000
1.052	.280	1.31060	.93410	.92910	.92410	.93350	.00000
1.050	1.350	1.30930	.92910	.92230	.91790	.94490	.00000
1.050	2.270	1.30770	.92960	.91740	.90890	.94950	.00000
1.050	3.300	1.30890	.92470	.91240	.90190	.96170	.00000
1.050	4.270	1.30770	.91810	.89900	.89080	.97110	.00000
1.049	6.410	1.30140	.90120	.87690	.86930	.98610	.00000
1.049	8.310	1.29370	.88370	.84770	.84810	1.00780	.00000
	GRADIENT	-.00029	.00159	-.00178	-.00946	.00874	.00000

ARC14-143-1(IA137) TANK(T36),331 IN. (RNY005) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 90.000

RUN NO. 10/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
1.105	-8.140	1.33400	.89180	.92360	1.04570	.90770	.00000
1.107	-6.030	1.33940	.93250	.94500	1.03030	.92690	.00000
1.105	-3.960	1.34240	.95040	.95940	1.00900	.94070	.00000
1.101	-3.040	1.34100	.95580	.96190	.99580	.94940	.00000
1.102	-2.000	1.34010	.96330	.96290	.98370	.95490	.00000
1.102	-.920	1.33880	.96960	.96700	.97490	.96720	.00000
1.102	.180	1.34140	.97130	.96510	.96880	.97570	.00000
1.100	1.240	1.34020	.97350	.96190	.95910	.98290	.00000
1.098	2.220	1.33850	.96710	.95880	.94910	.99020	.00000
1.098	3.300	1.33890	.96370	.94670	.93960	.99660	.00000
1.097	4.300	1.33710	.95840	.93900	.92930	1.00600	.00000
1.098	6.260	1.33210	.94340	.91580	.91340	1.02960	.00000
1.099	8.240	1.32510	.92550	.88820	.89200	1.04470	.00000
	GRADIENT	-.00046	.00108	-.00224	-.00912	.00790	.00000

ARC14-143-1(IA137) TANK(T36),264.8 IN. (RNY006) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 90.000

RUN NO. 15/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.550	-8.210	1.06370	.55940	.59090	.75630	.56930	.00000
.549	-6.130	1.07480	.60880	.62610	.73200	.59800	.00000
.549	-4.140	1.08260	.63120	.64500	.70590	.62000	.00000
.548	-3.110	1.08270	.64370	.65840	.69090	.62810	.00000
.548	-2.060	1.08140	.65230	.66050	.68170	.64450	.00000
.548	-1.080	1.07950	.66070	.65770	.66900	.65070	.00000
.549	.000	1.08330	.66720	.65890	.65940	.66280	.00000
.550	1.010	1.08140	.66610	.65750	.64930	.67350	.00000
.551	2.040	1.08030	.65690	.64580	.63890	.69050	.00000
.551	3.030	1.08120	.65730	.63880	.62160	.70070	.00000
.551	4.060	1.08030	.65240	.62960	.62100	.71060	.00000
.548	6.120	1.06800	.61950	.59690	.58920	.73160	.00000
.550	8.210	1.04860	.57950	.55110	.56190	.75480	.00000
	GRADIENT	-.00023	.00229	-.00243	-.01061	.01130	.00000

RUN NO. 16/ 0 RN/L = 3.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.701	-8.130	1.11610	.61200	.64050	.79650	.62100	.00000
.699	-6.090	1.12540	.65170	.67460	.76910	.65050	.00000
.700	-4.040	1.13280	.68010	.69450	.75230	.67020	.00000
.701	-3.050	1.13020	.69230	.70250	.74270	.68060	.00000
.702	-1.950	1.13270	.69970	.70630	.72610	.69190	.00000
.699	-.970	1.12930	.70790	.71000	.72180	.70640	.00000
.702	.060	1.13210	.70890	.70800	.70710	.71250	.00000
.702	1.090	1.13170	.71030	.70340	.69650	.72440	.00000
.701	2.190	1.13280	.70420	.69610	.68800	.73560	.00000
.700	3.130	1.12850	.70060	.68520	.67770	.74170	.00000
.718	4.240	1.13330	.71890	.69940	.68520	.77260	.00000
.700	6.190	1.12170	.67280	.65050	.63520	.77260	.00000
.699	8.250	1.10320	.63580	.59610	.60960	.79910	.00000
	GRADIENT	-.00000	.00309	-.00090	-.00910	.01127	.00000

ARC(4-143-1(1(A137) TANK(T36),264.8 IN. (RNY006) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 90.000

RUN NO. 20/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.805	-8.340	1.16310	.65540	.69200	.83870	.66940	.00000
.797	-6.160	1.16710	.69270	.71550	.81240	.69140	.00000
.801	-4.140	1.17050	.72370	.73730	.79770	.71660	.00000
.799	-3.160	1.17120	.73430	.74400	.78260	.72600	.00000
.800	-2.030	1.17120	.74310	.74510	.77130	.73550	.00000
.802	-1.080	1.17360	.75250	.75050	.76460	.74720	.00000
.801	-.050	1.17370	.75190	.75040	.75020	.75500	.00000
.803	.980	1.17390	.75690	.74790	.74180	.76470	.00000
.802	1.990	1.17410	.75240	.74050	.73270	.77630	.00000
.802	3.070	1.17370	.75080	.73450	.71760	.78780	.00000
.802	4.060	1.17270	.74300	.72410	.71030	.79690	.00000
.802	6.090	1.16580	.72460	.69440	.68860	.81850	.00000
.802	8.150	1.15020	.69270	.66000	.66680	.84440	.00000
	GRADIENT	.00036	.00243	-.00152	-.01047	.00983	.00000

RUN NO. 19/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.901	-8.110	1.21170	.71940	.75630	.89780	.73290	.00000
.899	-6.100	1.21680	.75310	.77950	.87200	.75290	.00000
.901	-4.050	1.22120	.78270	.79580	.85260	.77360	.00000
.903	-2.980	1.22350	.79810	.80590	.84600	.78730	.00000
.900	-1.930	1.22230	.80440	.80660	.83160	.79220	.00000
.900	-.960	1.22160	.80770	.80570	.81880	.80370	.00000
.901	.100	1.22270	.81340	.80810	.80850	.81470	.00000
.901	1.110	1.22290	.81520	.80570	.80150	.82430	.00000
.902	2.150	1.22150	.81220	.80050	.78700	.83350	.00000
.902	3.160	1.22120	.80990	.79110	.78050	.84400	.00000
.901	4.170	1.21910	.80360	.78410	.77110	.84960	.00000
.900	6.200	1.21350	.78020	.75100	.74680	.87390	.00000
.899	8.280	1.20090	.74740	.71680	.72300	.89430	.00000
	GRADIENT	-.00025	.00232	-.00167	-.01022	.00938	.00000

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ARC14-143-1(IA137) TANK(T36),264.8 IN. (RNY006) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 90.000

RUN NO. 16/ 0 RN/L = 4.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
.952	-8.060	1.23950	.75390	.78870	.93000	.76990	.00000
.953	-6.060	1.24640	.79540	.82010	.91430	.79730	.00000
.951	-3.980	1.24840	.81750	.83380	.88800	.81390	.00000
.952	-3.000	1.24990	.83240	.84100	.88000	.82320	.00000
.950	-1.960	1.24930	.83920	.84110	.86670	.83270	.00000
.953	-.950	1.25090	.84810	.84350	.86010	.83790	.00000
.952	.200	1.24880	.85150	.84540	.84500	.85330	.00000
.951	1.090	1.25060	.84670	.84170	.83880	.85700	.00000
.951	2.110	1.24900	.84790	.83820	.82670	.86820	.00000
.950	3.070	1.24890	.84180	.83220	.81870	.87520	.00000
.951	4.190	1.24810	.83650	.82160	.81070	.89060	.00000
.951	6.230	1.24280	.81700	.79220	.78680	.90660	.00000
.951	8.290	1.23300	.79300	.76340	.76510	.93350	.00000
	GRADIENT	-.00009	.00198	-.00135	-.00974	.00906	.00000

RUN NO. 17/ 0 RN/L = 4.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPTB	CPSB	CPSU	CPSL	CPSR	ALPHA
1.102	-8.120	1.33110	.89190	.91270	1.04820	.90350	.00000
1.101	-6.050	1.33280	.92600	.94020	1.02200	.92210	.00000
1.100	-3.780	1.33970	.94910	.95510	1.00030	.93900	.00000
1.103	-3.020	1.34200	.95730	.96050	.99600	.94960	.00000
1.100	-1.920	1.34120	.96200	.96240	.98370	.95190	.00000
1.101	-.920	1.33960	.96690	.96220	.97720	.96390	.00000
1.101	.110	1.33960	.97000	.96400	.96730	.96790	.00000
1.101	1.150	1.33960	.97110	.96320	.95610	.97780	.00000
1.101	2.150	1.34110	.96970	.95870	.94820	.98970	.00000
1.100	3.300	1.33970	.96480	.95200	.93860	.99620	.00000
1.100	4.200	1.33940	.95720	.94350	.93270	1.00670	.00000
1.099	6.210	1.33310	.94020	.92160	.91430	1.01920	.00000
1.099	8.090	1.32410	.92440	.89000	.89150	1.04330	.00000
	GRADIENT	-.00014	.00119	-.00131	-.00876	.00918	.00000

ARC14-143-1(IA137) TANK(T36),264.8 IN. (RNY007) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 45.000

RUN NO. 36/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.550	-5.830	1.02550	.55990	.70500	.66090	.53350	-5.80000
.549	-4.390	1.04250	.58630	.69430	.67000	.58370	-4.38000
.547	-2.890	1.06580	.61980	.68760	.67980	.61980	-2.89000
.550	-2.190	1.07150	.63110	.67690	.67950	.63540	-2.19000
.550	-1.470	1.07450	.64420	.67220	.67830	.65190	-1.47000
.550	-.770	1.07830	.65580	.66790	.67270	.65750	-.77000
.550	.000	1.07760	.66930	.66240	.66980	.66800	.00000
.550	.720	1.08240	.67590	.65220	.66260	.67640	.72000
.551	1.450	1.08080	.68140	.63790	.64870	.68050	1.45000
.551	2.170	1.08250	69670	.63730	.63600	.67990	2.17000
.550	2.910	1.07960	.69410	.61630	.62020	.67990	2.90000
.550	4.340	1.08010	.70850	.58400	.58270	.67000	4.33000
.551	5.790	1.07710	.72190	.53550	.55150	.66170	5.76000
	GRADIENT	.00345	.01377	-.01198	-.01001	.01009	.99833

RUN NO. 43/ 0 RN/L = 3.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.702	-5.760	1.07960	.60420	.74990	.71290	.58900	-5.73000
.698	-4.330	1.09900	.64190	.74280	.71840	.63380	-4.31000
.696	-2.850	1.11730	.66450	.73120	.72430	.67020	-2.85000
.705	-2.140	1.12300	.67520	.73280	.72480	.68120	-2.14000
.699	-1.400	1.12770	.68810	.72120	.72330	.69870	-1.40000
.697	-.720	1.12770	.69590	.71280	.71610	.70460	-.72000
.699	.050	1.13130	.70750	.70510	.71320	.71170	.05000
.700	.810	1.13240	.72240	.70020	.70890	.72090	.81000
.703	1.520	1.13240	.72680	.69130	.69130	.72290	1.52000
.703	2.210	1.13260	.73260	.67810	.68850	.72780	2.21000
.703	2.930	1.13380	.74290	.67130	.67400	.72620	2.92000
.701	4.410	1.13120	.75600	.63590	.64100	.72010	4.39000
.703	5.830	1.13170	.76500	.60460	.60640	.71180	5.80000
	GRADIENT	.00315	.01328	-.01164	-.00880	.00987	.99708

ARC14-143-1((IA137) TANK(T36).264.8 'N. (RNY007) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 45.000

RUN NO. 42/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.802	-5.810	1.12310	.65990	.79470	.75610	.63730	-5.78000
.803	-4.370	1.14350	.68580	.78780	.76290	.68330	-4.35000
.801	-2.930	1.16080	.71460	.78080	.76870	.71430	-2.92000
.800	-2.230	1.16540	.72630	.77070	.76990	.72810	-2.23000
.803	-1.450	1.16960	.73660	.76570	.76550	.74060	-1.45000
.803	-.820	1.17110	.74410	.76090	.76520	.74640	-.82000
.802	-.020	1.17290	.75160	.75260	.75610	.75480	-.02000
802	.730	1.17490	.76340	.74530	.74950	.75990	.73000
.803	1.430	1.17420	.76880	.73340	.74450	.76960	1.43000
.804	2.160	1.17490	.77990	.72410	.73340	.77180	2.16000
.802	2.900	1.17490	.78910	.71760	.71940	.77050	2.90000
.803	4.350	1.17420	.79580	.69330	.68500	.77220	4.34000
.803	5.770	1.17390	.80920	.64810	.64180	.75970	5.74000
	GRADIENT	.00293	.01251	-.01145	-.00867	.00998	.99772

RUN NO. 37/ 0 RN/L = 3.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.901	-5.770	1.17560	.72060	.85020	.81730	.70630	-5.74000
.903	-4.280	1.19900	.75380	.84560	.82950	.74820	-4.26000
.903	-2.890	1.21070	.77450	.83470	.82950	.77670	-2.89000
.901	-2.150	1.21470	.78670	.82820	.82890	.78760	-2.15000
.900	-1.430	1.21840	.79470	.82030	.82210	.79780	-1.42000
.899	-.710	1.21880	.80260	.81330	.82090	.80590	-.71000
.899	.050	1.21960	.81380	.80690	.81360	.81400	.05000
.900	.780	1.22100	.82220	.80130	.80800	.81970	.78000
.900	1.500	1.22040	.82840	.78980	.79690	.82070	1.50000
.900	2.250	1.22230	.83780	.78010	.79050	.82650	2.24000
.901	2.990	1.22190	.84570	.77050	.77710	.82770	2.99000
.901	4.390	1.22180	.85530	.74590	.75340	.82400	4.37000
.903	5.850	1.22130	.86810	.71220	.71190	.81890	5.82000
	GRADIENT	.00218	.01180	-.01116	-.00876	.00868	.99700

ARC14-143-1(IA137) TANK(T36),264.8 IN. (RNY007) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 45.000

RUN NO. 38/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
.948	-5.730	1.20060	.76330	.88590	.85160	.74540	-5.70000
.951	-4.300	1.22610	.79020	.87810	.85980	.78580	-4.29000
.951	-2.810	1.23840	.80980	.87180	.86090	.81650	-2.81000
.951	-2.130	1.24310	.82160	.86600	.86350	.82800	-2.13000
.952	-1.430	1.24590	.83230	.86150	.86270	.83570	-1.43000
.953	-.700	1.24870	.84390	.85310	.86110	.84790	-.70000
.950	.070	1.24910	.85070	.84650	.85180	.84990	.07000
.947	.780	1.24670	.85350	.83500	.84400	.85600	.78000
.947	1.490	1.24800	.86300	.82760	.83270	.86130	1.49000
.950	2.250	1.24980	.87190	.81860	.82450	.86070	2.24000
.950	2.970	1.25020	.88010	.80760	.81280	.86260	2.97000
.950	4.370	1.24830	.88820	.78250	.79070	.86200	4.36000
.949	5.840	1.24740	.89780	.74650	.74970	.85630	5.84000
	GRADIENT	.00212	.01141	-.01107	-.00838	.00836	.99843

RUN NO. 39/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
1.050	-5.680	1.25790	.84720	.96610	.93230	.83790	-5.65000
1.051	-4.250	1.28720	.87460	.96050	.93980	.87110	-4.24000
1.052	-2.850	1.30040	.89430	.95390	.94460	.89430	-2.85000
1.052	-2.090	1.30310	.90450	.94590	.93990	.91020	-2.09000
1.050	-1.360	1.30580	.91250	.93980	.93530	.91520	-1.36000
1.050	-.640	1.30620	.92220	.93010	.93630	.92610	-.64000
1.051	.110	1.30770	.93040	.92730	.93270	.93290	.11000
1.051	.830	1.30940	.94010	.91710	.92370	.93490	.83000
1.050	1.540	1.30980	.94480	.91010	.91400	.94170	1.53000
1.051	2.290	1.31000	.95000	.90090	.90820	.93930	2.29000
1.049	3.010	1.30740	.95810	.88970	.89630	.94090	3.00000
1.049	4.460	1.30850	.97210	.86530	.87090	.94150	4.44000
1.050	5.860	1.30770	.98130	.83260	.83760	.93110	5.83000
	GRADIENT	.00195	.01102	-.01077	-.00788	.00788	.99751

ARC14-143-111A137) TANK(T36).264.8 IN. (RNY007) (02 JUN 76)

REFERENCE DATA

SREF = .0000 SQ.FT. XMRP = .0000 IN. XT
LREF = .0000 INCHES YMRP = .0000 IN. YT
BREF = .0000 INCHES ZMRP = .0000 IN. ZT
SCALE = .0000

PARAMETRIC DATA

PHI = 45.000

RUN NO. 40/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
1.099	-5.710	1.29880	.88590	1.00300	.98190	.87710	-5.69000
1.100	-4.280	1.31420	.91250	.99710	.98310	.90890	-4.27000
1.102	-2.790	1.32760	.93450	.99000	.98120	.93920	-2.79000
1.103	-2.080	1.33550	.93960	.98310	.98060	.94870	-2.08000
1.102	-1.330	1.33850	.95280	.97870	.98200	.95670	-1.33000
1.101	-.680	1.33960	.96200	.97310	.97750	.96480	-.68000
1.102	.080	1.33960	.96930	.96690	.97490	.97410	.08000
1.101	.780	1.33970	.97550	.95720	.96710	.97380	.78000
1.103	1.480	1.34060	.98550	.95250	.95470	.97690	1.48000
1.102	2.240	1.34330	.99140	.94470	.95160	.98220	2.24000
1.102	2.980	1.34070	.99530	.93610	.93690	.97920	2.98000
1.102	4.430	1.34180	1.00720	.90640	.91330	.97820	4.42000
1.101	5.890	1.33950	1.02080	.88270	.88400	.97680	5.85000
	GRADIENT	.00258	.01096	-.00989	-.00785	.00760	.99874

RUN NO. 41/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPTB	CPSB	CPSU	CPSL	CPSR	BETA
1.151	-5.710	1.32920	.90080	1.02550	.99220	.89260	-5.69000
1.150	-4.250	1.34430	.93540	1.01840	1.00050	.92590	-4.24000
1.151	-2.840	1.35870	.95540	1.00780	1.00330	.95290	-2.84000
1.151	-2.100	1.36300	.95970	1.00130	.99610	.96530	-2.10000
1.150	-1.370	1.36590	.96800	.99580	1.00110	.96740	-1.37000
1.152	-.670	1.36750	.97660	.98950	.99370	.98330	-.67000
1.151	.090	1.36850	.98670	.98160	.98820	.98930	.09000
1.152	.840	1.36920	.99440	.97270	.98670	.99310	.84000
1.152	1.550	1.37180	1.00240	.96900	.97620	.99730	1.55000
1.152	2.260	1.37040	1.00500	.96480	.96680	.99700	2.26000
1.151	3.000	1.36890	1.01580	.94930	.95800	.99870	3.00000
1.151	4.400	1.36870	1.02710	.93150	.93060	.99860	4.39000
1.151	5.850	1.36830	1.03410	.90170	.89910	1.00170	5.82000
	GRADIENT	.00233	.01060	-.00977	-.00778	.00820	.99875